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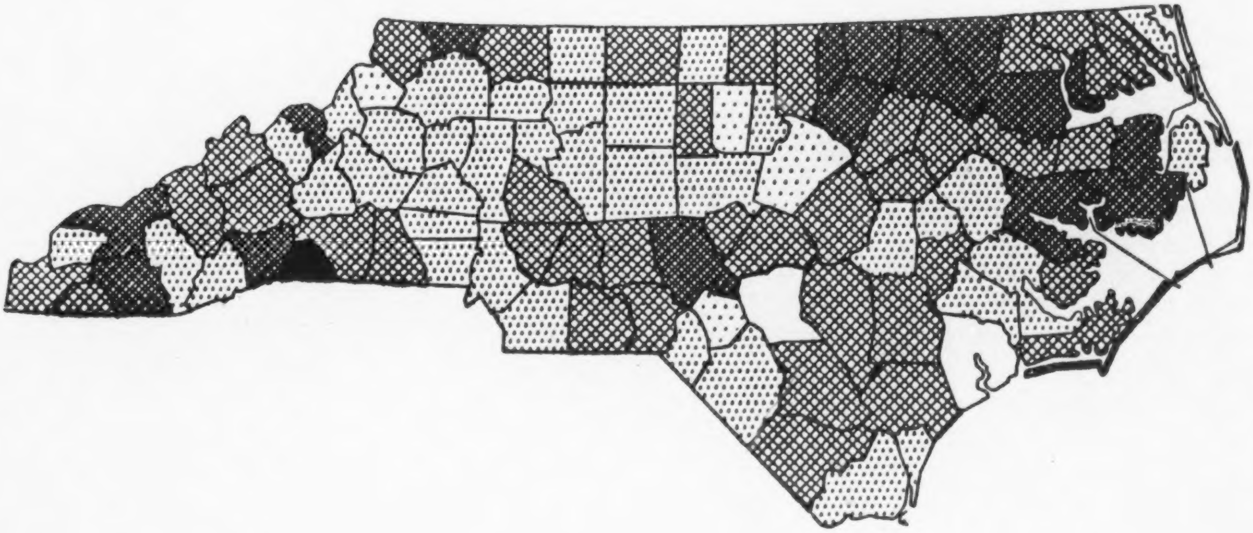
LEADING CAUSES OF MORTALITY



North Carolina
Vital Statistics
1982—Volume 2

LEADING CAUSES OF MORTALITY

North Carolina
Vital Statistics
1982—Volume 2

SCHS

State Center For Health Statistics
N.C. Department of Human Resources
Division of Health Services

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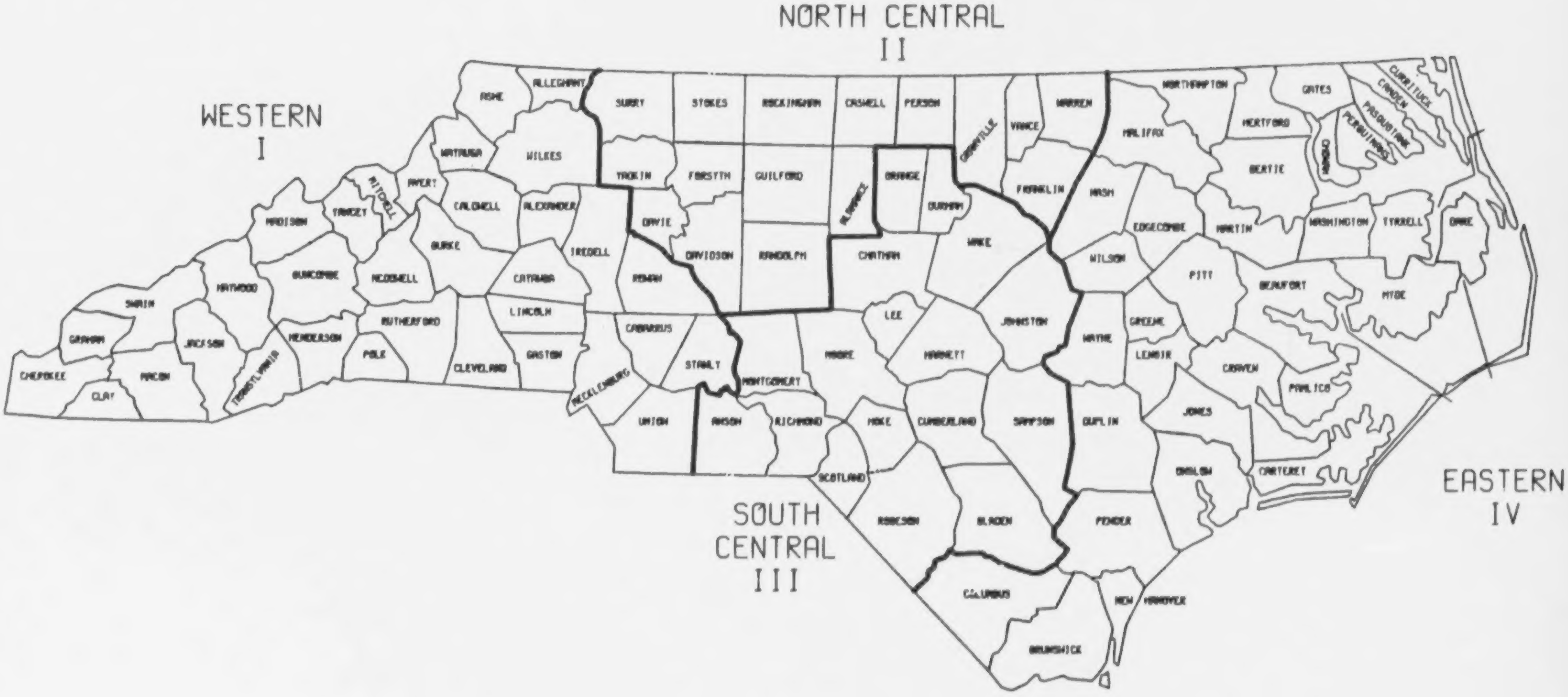
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NEW HANOVER
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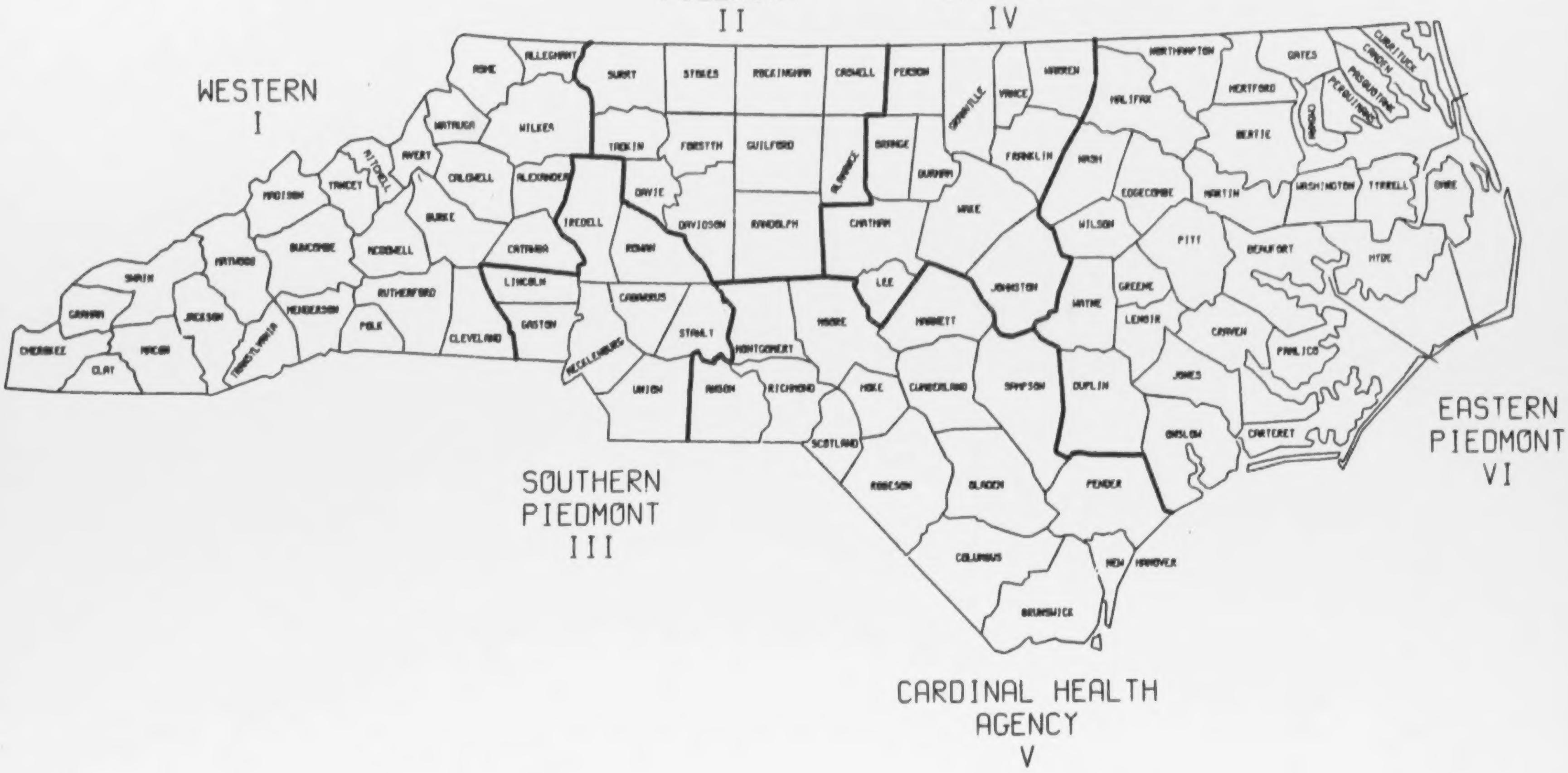
NORTH CAROLINA HEALTH SERVICE AREAS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PREFACE

The State Center for Health Statistics has produced triennially a major publication describing North Carolina's mortality experience for a five-year period. The 1981 Leading Causes of Mortality, the third major publication of this type, included statistical tables, maps, and graphs as well as an analysis for each leading cause of death in North Carolina. In the interim years, the State Center publishes supportive reports of mapped and tabular data only.

This edition of Leading Causes of Mortality is a supportive report which should be used in conjunction with the 1981 edition for purposes of health planning and analysis. Another report that can be used is Detailed Mortality Statistics which provides annual counts of deaths classified according to detailed underlying causes of death and the age, race, and sex of decedents.

Because of changes in coding of death certificates in 1979, the 1982 Leading Causes of Mortality shows 4-year rather than the traditional 5-year rates. The 1983 and subsequent editions will again show 5-year rates.

The tables and maps in this report show selected mortality statistics for counties, Department of Human Resources regions, Health Services Areas, and the state (see maps on preceding pages). More than a dozen of North Carolina's leading causes of mortality are depicted in these tables and maps. In addition, the site-specific cancers and total infant mortality are also tabled and mapped. Table 1 on page 4-3 describes the selected cause-of-death categories in terms of codes from the International Classification of Diseases (Ninth Revision). Altogether, the causes included in this report accounted for 86.6 percent of all North Carolina deaths during 1982.

As with previous editions, multiple conditions present at death are included in this volume. Three diseases in particular--hypertension, atherosclerosis, and diabetes--are considered associated conditions far more often than they are considered an underlying cause. Hence, Figures 29.A through 31.B display 1979-82 county rates for deaths associated with a mention of each of these diseases.

IN USING THIS VOLUME PARTICULAR ATTENTION IS CALLED TO THE SECTIONS ON INTERPRETATION OF MORTALITY RATES AND FLAGGING BIASED RATES.

I. COMPUTATION OF MORTALITY RATES

In this report, total death rates are expressed as resident deaths per 1,000 population while all cause-specific mortality rates are expressed as resident deaths per 100,000 population. All rates in Tables 1-27 use total population in the denominator, except rates for the sex-specific cancer sites, which use male or female population in the denominator. The infant mortality rates of Table 28 and Figure 28 are computed as the number of resident deaths under one year of age per 1,000 resident live births. Population bases for the rates of this report were provided by the Office of State Budget and Management in the Governor's Office.

Vital events in this report are allocated to place of residence. For deaths of inmates of long-term institutions (mental, penal, old age, orphan, nursing home, rest home, etc.), the institution is considered the usual residence provided the decedent had resided in the institution at least one year. College students and military personnel are considered residents of the college or military community.

The following definitions apply to the rates of Tables 1-27.

Unadjusted Annual Death Rate: the annual death rate computed as resident deaths per 1,000 or 100,000 population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the given year.

Unadjusted 4-Year Death Rate: the average annual death rate computed as average resident deaths per 1,000 or 100,000 average population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the 4-year period. These rates are depicted in the Series A maps (e.g., Figures 2.A, 3.A, etc.) printed in blue.

Adjusted 4-Year Death Rate: the average annual age-race-sex-adjusted rates computed by the direct method. Also expressed as deaths per 1,000 or 100,000 population, these rates are those which would be expected if the average annual age, race, and sex composition of each county's population were the same as that estimated for the state. These rates are free of differing effects of age, race, and sex and thus permit the user knowledge of an area's status with respect to other determinants of mortality during the 4-year period. However, the user should not compare an adjusted death rate with an unadjusted death rate. Also, adjusted rates for different time periods cannot be directly compared unless they were adjusted by the same standard population. The adjusted rates are depicted in the Series B maps (e.g., Figures 2.B., 3.B., etc.) printed in red.

For the maps, a clustering routine* from the Statistical Analysis System (SAS) was used to group counties that are "most like each other" with respect to their unadjusted rate and then their adjusted rate (1). These maps show six levels of death rates, where level one is the lowest rate interval and level six the highest.

---

* In 1983 the State Center for Health Statistics conducted an evaluation of several clustering methods. It was found that one method, called "Average Linkage Method", produced tighter clusters (i.e., clusters with smaller within-cluster variances) than the other methods examined. Consequently, we plan to use this method henceforth to cluster county rates in all SCHS publications.

II. INTERPRETATION OF MORTALITY RATES

To assess an area's relative mortality conditions during a four-year period, both the unadjusted rate and the adjusted rate can be compared to the state rate for a particular cause of death. Then, provided the area's unadjusted rate represents a relatively stable situation, viz., the rate has not fluctuated widely in recent years, the following alternative diagnoses will apply:

Relative Status Of		
Unadjusted Rate	Adjusted Rate	Diagnosis
Low	Low	Low mortality is not due to age, race, and sex factors; other mortality conditions are favorable.
Low	High	Low mortality is due to favorable age, race, and sex factors; other mortality conditions are unfavorable.
High	Low	High mortality is due to unfavorable age, race, and sex factors; other mortality conditions are favorable.
High	High	High mortality is not due to age, race, and sex factors; other mortality conditions are unfavorable.

In using adjusted rates, it is important that the user understand the reason for adjustment. The following hypothetical example illustrates. Here, A and B stand for population subgroups, e.g., whites and nonwhites, males and females, etc.

	County			State		
	Population	Deaths	Death Rate*	Population	Deaths	Death Rate*
Population A	300,000	1,000	333.3	500,000	2,500	500.0
Population B	10,000	10	100.0	800,000	1,000	125.0
Total	310,000	1,010	325.8	1,300,000	3,500	269.2

*Deaths per 100,000 population.

Compared to the state, county subgroups A and B both have lower rates, but the county as a whole (A and B combined) has a higher rate. This seemingly paradoxical situation results from two factors: different proportions of A and B in the county vs. the state population and wide differences between the rates for A vs. B. In this example, it is true that the county has the higher total rate--BUT ONLY BECAUSE THE POPULATION CONTAINS A HIGH PROPORTION OF SUBGROUP A.

Certainly, it is important for program planners to know that the county has a high rate relative to the state rate; this information is needed in determining manpower and facility needs, etc. But in assessing "risk," the researcher needs to adjust for confounding factors such as age or race. To do this, one multiplies each population-specific county rate by the corresponding "standard" population, sums these results, and divides by the total "standard." In the above example, using the state population as the standard, the computation is:

$$\frac{\left(\frac{1000}{300{,}000} \times 500{,}000\right) + \left(\frac{10}{10{,}000} \times 800{,}000\right)}{1{,}300{,}000} = 0.001897 \text{ or } 189.7 \text{ per } 100{,}000 \text{ population}$$

Thus, as rates specific for A and B imply, the county's rate is lower than the state's rate after adjustment for the factor represented by A and B.

Caution!

In assessing the relative mortality conditions of a county, one should be particularly aware of rates based on small numbers of deaths since, in such cases, random fluctuation in the rate may render rate comparisons risky. The reader should read very carefully the next section entitled "Flagging Biased Rates."

III. FLAGGING BIASED RATES

The age-race-sex adjusted rates in this publication that have been determined to be biased are flagged with an asterisk to suggest caution in their use. A complete description of the rationale and method for flagging biased rates can be found in the 1981 Leading Causes of Mortality. A short summary is provided below.

Any rate with a small number of events (deaths) in the numerator will have substantial random variability over time, or a large standard error. A useful rule of thumb is that any rate based on fewer than 20 events in the numerator may involve serious random error and should be used very cautiously in making comparisons or assessing trends (2). Many of the rates in this volume do have numerators smaller than 20.

In addition to the problem of a large standard error, the age-race-sex-adjusted rates in this volume may be biased due to one or more deaths in a small age-race-sex population group. One death out of an estimated population of 5, for example, would produce a death rate of 20,000 per 100,000 population. If this rate was applied to the appropriate age-race-sex group of the standard population, a very large number of expected deaths would result and the adjusted rate would be biased. In this volume an adjusted rate is flagged if: a) applying the age-race-sex-specific rates of a county for a given cause to the standard population results in more than 25 percent of the total expected deaths being generated by one cell, and b) the denominator of the rate is also less than 40 (an average of 10 per year). Thirty out of a total of 2500 county adjusted rates in this volume are flagged by this method.

In addition to putting asterisks by those 1979-82 adjusted rates with a large bias due to an extremely high age-race-sex-specific rate, the rates have been recomputed by substituting the appropriate North Carolina age-race-sex-cause-specific rate in the problem cell. The table on the next page compares the flagged rates with the rates where the state rate has been substituted. The reader who must use one of these flagged rates is advised to use the rate in this table with the substitution instead. If the latter rate is clearly out of line with the North Carolina rate in the last column, the rate should be treated as missing data.

1979-82 Age-race-sex Adjusted Rates:
Flagged Rates and Rate after Substitution
of State Rate in Problem Cell

County	Cause	Problem Cell	Numerator	Denominator	Flagged Rate	Adjusted Rate With Substitution	N.C. Rate for Cause
Alexander	Hypertension	NWF 85+	1	38	8.78	6.09	4.05
Alexander	Atherosclerosis	NWM 85+	1	8	13.40	7.22	9.48
Alleghany	Stroke	NWM 75-84	2	13	104.74	74.81	79.19
Alleghany	Lung Cancer	NWM 65-74	1	31	50.11	34.76	41.60
Alleghany	Nephritis, etc.	NWF 85+	1	21	15.56	10.75	8.22
Avery	Cancer	NWF 75-84	1	8	146.76	106.32	164.13
Avery	Cirrhosis	NWM 55-64	1	31	29.19	4.45	11.35
Clay	AMI	NWM 75-84	1	3	235.57	167.69	135.81
Clay	Cancer	NWM 65-74	1	8	172.27	111.34	164.13
Clay	Homicide	NWM 35-44	1	12	97.47	5.36	10.95
Graham	Other Ischemic H.D.	NWF 85+	1	4	53.69	29.05	81.01
Graham	Prostate Cancer	NWM 65-74	1	33	37.07	5.83	21.46
Haywood	Leukemia	NWF 85+	1	22	11.42	6.67	6.72
Henderson	Prostate Cancer	NWM 85+	1	20	20.21	15.97	21.46
Henderson	Leukemia	NWM 85+	1	20	8.60	6.08	6.72
Hyde	Colon Cancer	WM 85+	1	38	12.26	7.81	17.89
Hyde	Pneumonia & Inf.	WM 85+	3	38	34.07	21.33	20.77
Hyde	Nephritis, etc.	WM 85+	1	38	19.84	15.29	8.22
Macon	Prostate Cancer	NWM 75-84	1	18	34.00	12.76	21.46
Madison	Stroke	NWM 55-64	1	32	74.80	52.33	79.19
Madison	Atherosclerosis	NWF 85+	1	12	14.10	5.68	9.48
Madison	Chronic Lung Dis.	NWM 65-74	1	16	52.40	19.00	20.96
Mitchell	Pancreas Cancer	NWM 75-84	1	16	19.64	6.65	8.90
Mitchell	Non-M.V. Accidents	NWM 65-74	1	13	57.06	15.58	25.10
Swain	Atherosclerosis	NWM 85+	1	17	9.06	6.25	9.48
Tyrrell	Prostate Cancer	NWM 85+	1	10	30.69	21.20	21.46
Tyrrell	Non-M.V. Accidents	NWM 85+	1	10	17.08	12.09	25.10
Watauga	Other Ischemic H.D.	NWM 75-84	1	15	52.83	40.79	81.01
Watauga	Atherosclerosis	NWF 85+	1	6	21.99	4.78	9.48
Yancey	Diabetes	NWF 65-74	1	25	34.89	5.20	13.72

IV. NORTH CAROLINA MORTALITY HIGHLIGHTS

In the 1981 Leading Causes of Mortality extensive analyses of North Carolina's mortality experience were presented. That volume contained statistical tables, maps, and graphs as well as cause-specific discussions of trends, geographic patterns, risk factors, and recent research. We do not expect that the general mortality picture has changed very much in one year. Thus in this section, we will highlight 1982 unadjusted death rates for selected causes and the changes in rates from 1981 to 1982. The reader should consult the 1981 volume for a detailed discussion of each cause.

- As shown in Table 1, a total of 48,542 North Carolinians died in 1982, a rate of 8.06 deaths per 1,000 population. The 1982 rate represents a 2.3 percent decline from the 1981 rate.

- The median age at death was 70.7 years in 1982, up from 70.4 in 1981, 66.4 in 1970, and 28.1 in 1914 when deaths were first centrally recorded.

- The ten leading causes of death continue to be heart disease, cancer, cerebrovascular disease, accidents, chronic obstructive pulmonary disease, pneumonia and influenza, suicide, diabetes, homicide, and chronic disease and cirrhosis.

- Of the selected causes of death shown in this volume, only four had a rate increase from 1981 to 1982. These were (with percent increase): total cancer (1.9%), hypertension (2.0%), suicide (3.4%), and chronic obstructive pulmonary disease (3.5%). None of these increases were, however, statistically significant at the .05 level. The increase for hypertension as an underlying cause may reflect physician recording practices rather than an actual increase since the number of certificates with a mention of hypertension declined 6.2 percent (from 4310 to 4044).

- Five of the nine cancer sites referenced in this volume showed unadjusted rate increases of at least two percent. Those sites and their percent increases were: leukemia, 8.0%; colon/rectum/anus, 5.5%; lung, 3.9%; ovary, 2.9%; and stomach, 2.1%. As with the rates above, these increases were not statistically significantly, that is, they could occur due to random fluctuations more than 5 times out of 100. Some of the increases undoubtedly involve aging of the population.

- Rate increases in lung cancer mortality occurred in all race-sex categories except white females. The percent increases were 5.2% for white males, 8.1% for nonwhite males, and 1.5% for nonwhite females. These increases also were not statistically significant at the .05 level, though the nonwhite male increase was significant at p = .08.

- Although not statistically significant, the infant mortality rate, already among the highest in the nation, increased from 13.2 per 1,000 live births in 1981 to 13.7 in 1982. The increase largely involved nonwhite neonatal deaths.

- The number of suicides in North Carolina reached a new high in 1982, 800 recorded cases. An increase in these deaths to white males accounted for the total difference between 1981 and 1982.

- Since 1960 North Carolina has experienced rapid increases in the septicemia death rate, a pattern also evident for the U.S. The 1970-80 average annual percent increase (19.4%) was almost twice as high as the 1960-70 average annual increase (10.0%). Between 1981 and 1982, the rate increased another 8 percent (from 5.0 to 5.4 deaths per 100,000 population). Various age, race, and/or sex groups experienced rate increases in the past year; however, white females ($p = .037$), persons 75-84 ($p = .043$), and white females aged 75-84 ($p = .013$) were the only groups to show a statistically significant increase.

- While the number and rate of homicide deaths remained about the same in 1982 and in 1981, nonwhite males accounted for a higher percentage and white males accounted for a lower percentage than in 1981.

- The state's motor vehicle mortality rate continued its downward trend, dropping another 11.7% in 1982. Of all the changes in rates examined for this report, the decline in motor vehicle mortality was the only statistically significant decrease from 1981 ($p = .0024$). Unfortunately, the number of decedents under the age of 2 remained about the same (11 in 1981 and 12 in 1982).

- As in 1981, atherosclerosis, hypertension, nephritis/nephrosis, and diabetes were mentioned on the death certificate in 1982 much more often than they appeared as the underlying cause (26.4, 16.4, 4.8, and 4.7 times as often respectively).

TABLE 1

Mortality Statistics for 1982 and 1979-82
North Carolina Residents

Cause of Death - Ninth Revision International Classification of Diseases		Number of Deaths 1982	Death Rate* 1982	Death Rate* 1979-82
All Causes		48,542	8.06	8.13
Diseases of Heart	(390-398,402,404-429)	17,848	296.55	299.85
Acute Myocardial Infarction	(410)	7,995	132.83	135.80
Other Forms of Ischemic Heart Disease	(411-414)	4,688	77.89	81.00
Hypertension with or without Renal Disease	(401-403)	247	4.10	4.05
Cerebrovascular Disease	(430-438)	4,594	76.33	79.18
Atherosclerosis	(440)	521	8.65	9.48
Cancer	(140-208)	10,187	169.26	164.13
Stomach	(151)	287	4.76	4.79
Colon, Rectum, and Anus	(153,154)	1,120	18.60	17.89
Pancreas	(157)	542	9.00	8.89
Trachea, Bronchus, and Lung	(162)	2,689	44.67	41.59
Female Breast	(174)	809	26.13	25.73
Cervix Uteri	(180)	154	4.97	4.93
Ovary and other Uterine Adnexa	(183)	241	7.78	7.68
Prostate	(185)	618	21.14	21.46
Leukemia	(204-208)	430	7.14	6.71
Diabetes Mellitus	(250)	787	13.07	13.71
Pneumonia and Influenza	(480-487)	1,190	19.77	20.76
Chronic Obstructive Pulmonary Disease and Allied Conditions	(490-496)	1,358	22.56	20.96
Chronic Liver Disease and Cirrhosis	(571)	610	10.13	11.35
Nephritis, Nephrotic Syndrome, & Nephrosis	(580-589)	514	8.54	8.22
Motor Vehicle Accidents	(810-825)	1,360	22.59	25.29
All Other Accidents and Adverse Effects	(800-807, 826-949)	1,371	22.77	25.09
Suicide	(950-959)	800	13.29	12.35
Homicide	(960-978)	631	10.48	10.94

*See Section I

V. TABLES AND FIGURES: MORTALITY STATISTICS FOR 1979-1982

TABLE 2

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

TOTAL DEATHS (PER 1000 POPULATION)

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
NORTH CAROLINA	48542	8.06	192820	8.13	8.13
REGIONS					
DHR I WESTERN	16728	8.10	66664	8.22	7.93
DHR II N. CENTRAL	10626	8.28	42232	8.33	8.03
DHR III S. CENTRAL	10169	7.30	40724	7.44	8.36
DHR IV EASTERN	11019	8.61	43200	8.56	8.65
HSA I WESTERN	8954	8.59	35195	8.58	7.76
HSA II PIEDMONT	9198	8.11	36271	8.09	7.97
HSA III S. PIEDMONT	7774	7.59	31469	7.84	8.10
HSA IV CAPITAL	6292	7.46	25736	7.79	8.25
HSA V CARDINAL	7254	7.89	28463	7.86	8.57
HSA VI EASTERN	9070	8.57	35686	8.53	8.68
COUNTIES					
1 ALAMANCE	938	9.36	3630	9.11	8.35
2 ALEXANDER	157	6.05	714	7.04	7.80
3 ALLEGHANY	91	9.22	395	10.17	7.68
4 ANSON	258	10.05	996	9.73	8.11
5 ASHE	208	9.07	831	9.24	6.70
6 AVERY	137	9.20	485	8.30	7.22
7 BEAUFORT	415	9.91	1733	10.56	9.26
8 BERTIE	231	10.77	921	10.87	9.30
9 BLADEN	295	9.57	1164	9.52	9.27
10 BRUNSWICK	309	7.93	1213	8.22	7.94
11 BUNCOMBE	1618	9.85	6354	9.91	8.08
12 BURKE	585	7.92	2097	7.20	7.63
13 CABARRUS	723	8.10	3099	8.92	8.44
14 CALDWELL	464	6.84	1909	7.05	7.67
15 CAMDEN	44	7.73	221	9.60	8.60
16 CARTERET	397	9.02	1487	8.78	8.25
17 CASWELL	157	7.36	679	8.13	7.76
18 CATAWBA	801	7.41	3141	7.41	8.04
19 CHATHAM	291	8.41	1147	8.46	7.45
20 CHEROKEE	172	8.89	677	8.88	6.29
21 CHOWAN	140	11.11	561	11.12	8.33
22 CLAY	72	10.27	267	9.84	7.95
23 CLEVELAND	712	8.51	2882	8.64	8.37
24 COLUMBUS	501	9.66	1955	9.49	9.15
25 CRAVEN	510	6.91	2009	6.98	8.70
26 CUMBERLAND	1219	4.84	4976	4.99	8.82
27 CURRITUCK	89	7.65	379	8.32	7.90
28 DARE	125	8.34	442	7.92	6.78
29 DAVIDSON	829	7.27	3323	7.34	7.73
30 DAVIE	170	6.24	726	7.06	7.03
31 DUPLIN	395	9.55	1577	9.62	8.87
32 DURHAM	1307	8.37	5153	8.37	8.33
33 EDGECOMBE	565	10.01	2099	9.33	9.07
34 FORSYTH	2101	8.43	8053	8.19	8.00
35 FRANKLIN	277	9.00	1256	10.36	8.59
36 GASTON	1293	7.80	5297	8.11	8.63
37 GATES	87	9.42	337	9.44	7.32
38 GRAHAM	57	8.02	230	8.07	8.04
39 GRANVILLE	343	9.73	1346	9.77	8.90
40 GREENE	144	8.91	514	8.03	8.63
41 GUILFORD	2554	7.99	10147	7.98	7.99

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
TOTAL DEATHS (PER 1000 POPULATION) CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	591	10.61	2361	10.64	9.01
43 HARNETT	590	9.58	2141	8.88	9.28
44 HAYWOOD	431	9.15	1727	9.24	7.67
45 HENDERSON	636	10.28	2442	10.23	7.95
46 HERTFORD	201	8.46	863	9.18	7.67
47 HOKE	124	5.61	525	6.29	7.29
48 HYDE	50	8.40	252	10.57	8.34
49 IREDELL	718	8.49	2807	8.42	7.87
50 JACKSON	185	6.90	752	7.20	7.15
51 JOHNSTON	662	9.13	2785	9.76	9.62
52 JONES	76	7.77	327	8.43	7.83
53 LEE	315	8.41	1381	9.37	9.49
54 LENOIR	586	9.79	2331	9.75	9.46
55 LINCOLN	305	7.07	1284	7.56	8.02
56 MCDOWELL	274	7.57	1104	7.80	7.15
57 MACON	208	9.62	853	10.23	7.21
58 MADISON	158	9.11	669	9.81	7.16
59 MARTIN	240	9.13	997	9.53	8.54
60 MECKLENBURG	2896	6.92	11561	7.08	7.96
61 MITCHELL	149	10.38	602	10.42	7.15
62 MONTGOMERY	203	8.88	894	9.95	8.71
63 MOORE	550	10.63	2125	10.46	8.24
64 NASH	634	9.17	2534	9.32	9.13
65 NEW HANOVER	914	8.52	3536	8.45	8.60
66 NORTHAMPTON	268	11.87	1007	11.13	8.47
67 ONSLOW	480	4.22	1781	3.92	8.14
68 ORANGE	431	5.49	1791	5.78	7.48
69 PAMLICO	99	9.29	412	9.90	7.98
70 PASQUOTANK	269	9.44	1057	9.30	8.23
71 PENDER	225	9.87	810	9.06	8.10
72 PERQUIMANS	88	9.20	377	9.86	6.87
73 PERSON	240	8.06	1031	8.79	8.03
74 PITT	727	7.77	2822	7.73	8.87
75 POLK	188	13.80	688	13.04	8.48
76 RANDOLPH	668	7.16	2590	7.03	7.75
77 RICHMOND	446	9.78	1751	9.62	8.88
78 ROBESON	876	8.44	3390	8.28	8.80
79 ROCKINGHAM	760	8.95	3046	9.07	8.54
80 ROWAN	928	9.16	3760	9.42	7.84
81 RUTHERFORD	532	9.69	2058	9.50	7.99
82 SAMPSON	491	9.86	1905	9.59	8.63
83 SCOTLAND	253	7.61	1082	8.30	9.14
84 STANLY	420	8.65	1729	8.95	8.29
85 STOKES	242	6.97	981	7.30	7.61
86 SURRY	550	9.08	2175	9.11	8.08
87 SWAIN	120	11.41	451	10.86	8.59
88 TRANSYLVANIA	188	7.71	716	7.54	6.51
89 TYRRELL	54	12.62	190	11.58	9.34
90 UNION	491	6.72	1932	6.80	7.68
91 VANCE	368	9.91	1556	10.57	9.25
92 WAKE	1856	5.90	7518	6.16	7.83
93 WARREN	200	12.13	772	11.80	8.39
94 WASHINGTON	154	10.67	560	9.51	9.41
95 WATAUGA	175	5.26	770	5.97	6.50
96 WAYNE	824	8.43	3169	8.13	9.17
97 WILKES	497	8.31	1868	7.89	7.93
98 WILSON	587	9.23	2366	9.37	9.37
99 YADKIN	229	7.81	921	8.00	7.24
100 YANCEY	139	9.14	513	8.53	5.66

* SEE SECTION I

GENERAL MORTALITY

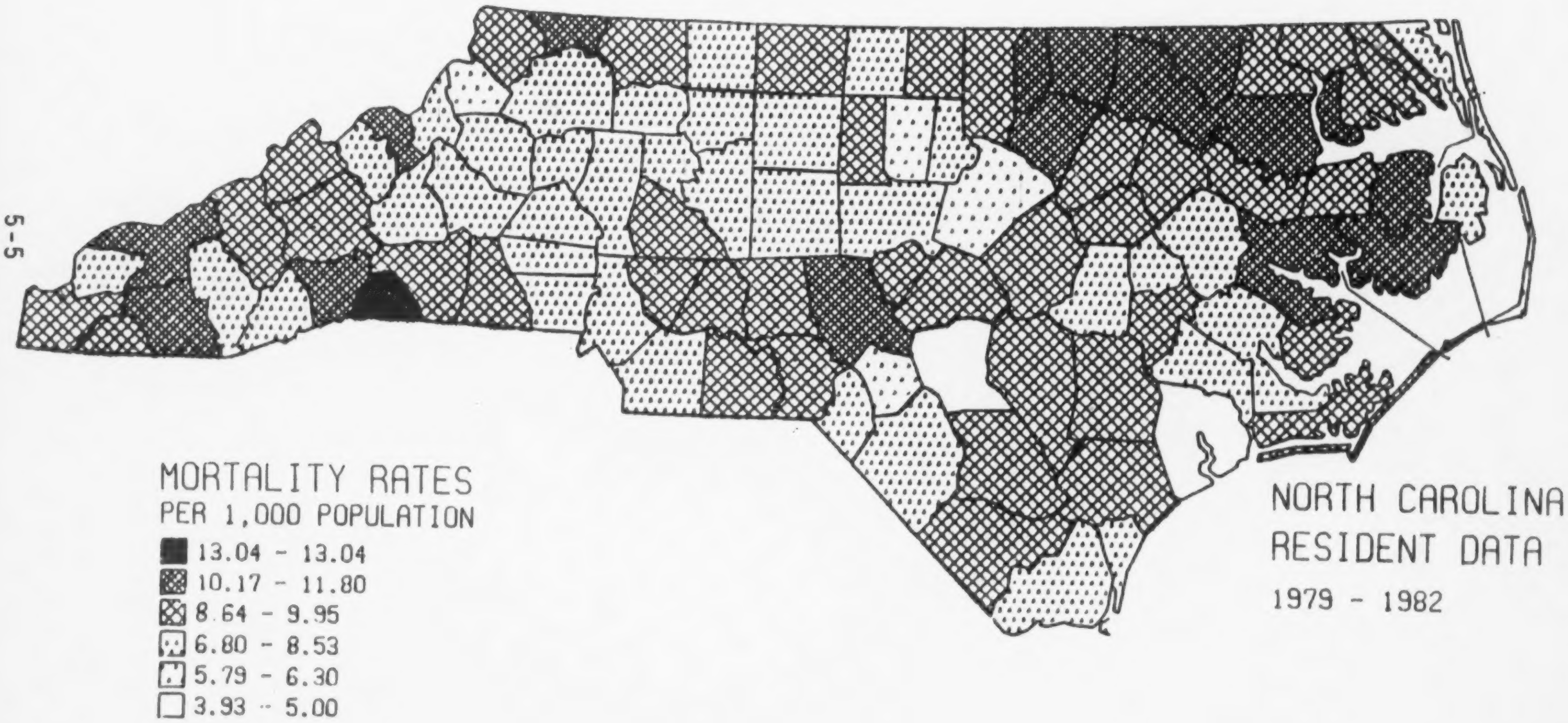

MORTALITY RATES
PER 1,000 POPULATION
■ 13.04 - 13.04
▩ 10.17 - 11.80
▨ 8.64 - 9.95
▦ 6.80 - 8.53
▤ 5.79 - 6.30
□ 3.93 - 5.00
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 2.A

GENERAL MORTALITY

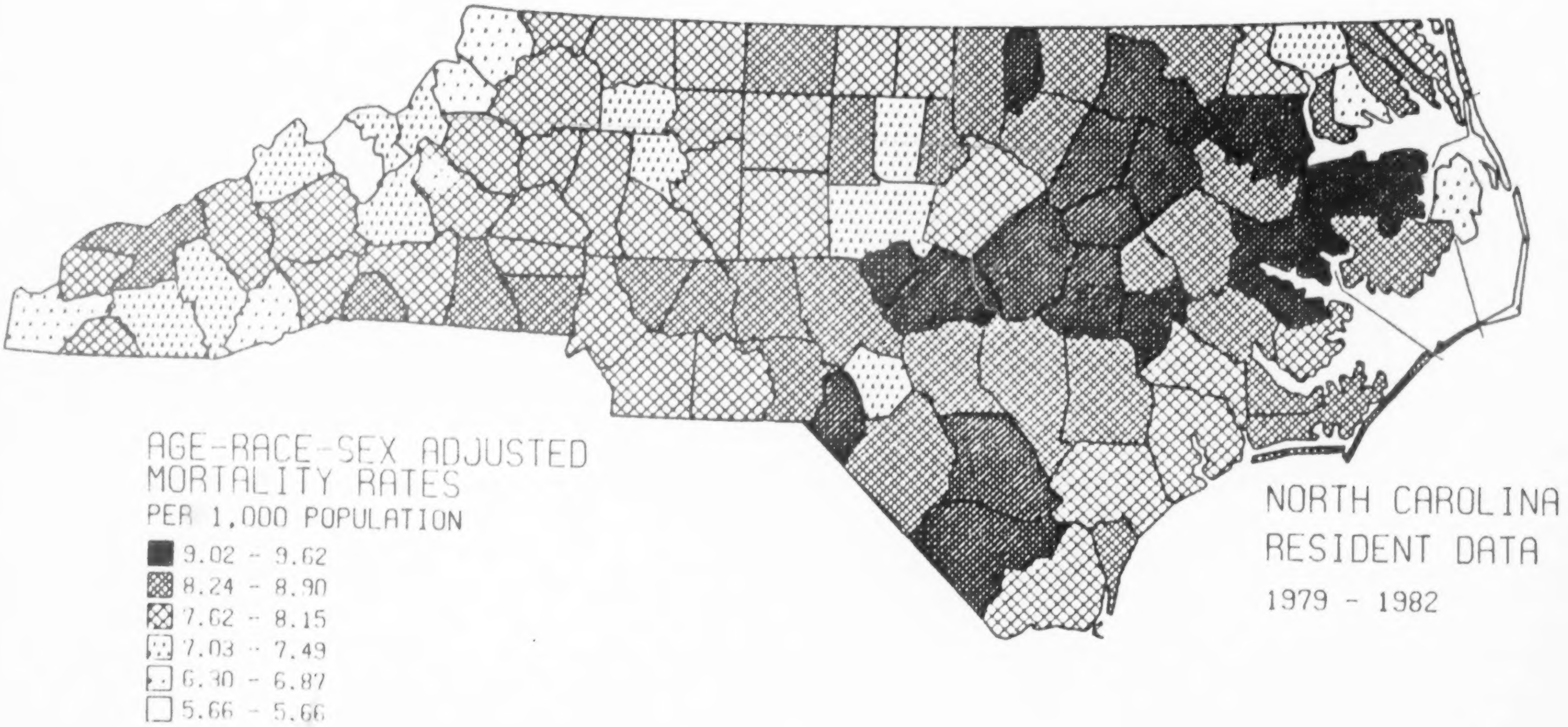

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 1,000 POPULATION
■ 9.02 - 9.62
▩ 8.24 - 8.90
▨ 7.62 - 8.15
▦ 7.03 - 7.49
⊡ 6.30 - 6.87
☐ 5.66 - 5.66
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 2.B

TABLE 3

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

DISEASES OF HEART

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	17848	296.55	71036	299.85	299.85
REGIONS					
DHR I WESTERN	6348	307.45	25286	311.88	291.68
DHR II N. CENTRAL	3922	305.61	15616	308.01	294.24
DHR III S. CENTRAL	3596	258.31	14557	266.15	311.71
DHR IV EASTERN	3982	311.47	15577	308.87	321.39
HSA I WESTERN	3507	336.78	13679	333.81	285.61
HSA II PIEDMONT	3351	295.50	13331	297.48	290.06
HSA III S. PIEDMONT	2841	277.61	11607	289.46	296.96
HSA IV CAPITAL	2289	271.52	9384	284.27	308.12
HSA V CARDINAL	2631	286.23	10255	283.43	322.23
HSA VI EASTERN	3229	305.29	12780	305.59	321.96
COUNTIES					
1 ALAMANCE	334	333.53	1383	347.19	309.98
2 ALEXANDER	52	200.52	243	239.80	264.98
3 ALLEGHANY	29	293.84	135	347.75	267.02
4 ANSON	96	374.10	394	385.25	312.71
5 ASHE	86	375.08	356	396.18	294.01
6 AVERY	59	396.29	214	366.30	300.40
7 BEAUFORT	150	358.54	619	377.44	324.13
8 BERTIE	80	373.25	341	402.61	339.46
9 BLADEN	111	360.33	433	354.17	364.76
10 BRUNSWICK	129	331.17	480	325.32	309.04
11 BUNCOMBE	597	363.64	2383	368.23	285.64
12 BURKE	232	314.28	795	273.01	281.36
13 CABARRUS	289	324.00	1198	344.83	311.44
14 CALDWELL	164	241.79	692	255.91	288.83
15 CAMDEN	17	299.03	82	356.42	309.97
16 CARTERET	176	400.14	625	369.27	336.95
17 CASWELL	63	295.38	271	324.62	324.22
18 CATAWBA	314	290.54	1185	279.70	289.32
19 CHATHAM	106	306.43	447	329.86	287.05
20 CHEROKEE	72	372.22	250	328.26	207.23
21 CHOWAN	50	397.01	157	311.23	229.83
22 CLAY	35	499.71	127	468.23	333.72
23 CLEVELAND	305	364.81	1268	380.29	362.39
24 COLUMBUS	197	380.07	717	348.35	338.76
25 CRAVEN	157	212.89	658	228.68	300.77
26 CUMBERLAND	375	149.11	1576	158.33	325.55
27 CURRITUCK	26	223.71	140	307.65	290.81
28 DARE	43	287.16	174	311.93	261.53
29 DAVIDSON	310	271.87	1264	279.35	286.33
30 DAVIE	62	227.75	266	258.69	251.96
31 DUPLIN	158	382.09	577	352.21	332.52
32 DURHAM	460	294.79	1848	300.30	305.25
33 EDGECOMBE	184	326.03	715	317.98	321.12
34 FORSYTH	781	313.43	3022	307.64	299.76
35 FRANKLIN	104	338.15	496	409.47	331.97
36 GASTON	521	314.41	2108	322.99	339.45
37 GATES	37	400.69	139	389.45	273.93
38 GRAHAM	20	281.69	82	287.85	295.27
39 GRANVILLE	140	397.35	511	371.23	349.11
40 GREENE	52	321.98	183	286.04	324.72
41 GUILFORD	901	282.02	3564	280.61	281.59

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
DISEASES OF HEART CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	196	352.18	853	384.42	336.97
43 HARNETT	232	376.99	855	354.75	374.08
44 HAYWOOD	179	380.12	699	374.19	309.54
45 HENDERSON	262	423.66	928	389.08	257.72
46 HERTFORD	87	366.54	339	360.64	308.13
47 HOKE	36	163.10	164	196.70	242.70
48 HYDE	16	268.81	85	356.57	284.47
49 IREDELL	253	299.43	1057	317.20	288.70
50 JACKSON	67	249.89	292	279.91	263.16
51 JOHNSTON	246	339.52	1160	406.57	398.09
52 JONES	20	204.72	110	283.63	263.74
53 LEE	113	301.71	530	359.96	362.59
54 LENOIR	204	341.13	830	347.24	347.50
55 LINCOLN	112	259.82	506	298.06	305.12
56 MCDOWELL	119	329.11	455	321.64	284.37
57 MACON	79	365.63	321	385.30	255.87
58 MADISON	60	346.32	261	382.73	227.12
59 MARTIN	83	315.75	374	357.82	329.10
60 MECKLENBURG	973	232.73	3965	243.10	280.35
61 MITCHELL	54	376.20	222	384.60	222.22
62 MONTGOMERY	83	363.36	367	408.68	348.43
63 MOORE	202	390.64	769	378.54	285.33
64 NASH	225	325.51	874	321.47	323.71
65 NEW HANOVER	344	320.82	1317	314.74	322.22
66 NORTHAMPTON	89	394.32	375	414.63	328.14
67 ONSLOW	138	121.47	565	124.62	306.12
68 ORANGE	142	180.94	569	183.91	243.41
69 PAMLICO	50	469.43	180	432.58	331.85
70 PASQUOTANK	114	400.28	395	347.70	305.81
71 PENDER	83	364.45	283	316.82	282.30
72 PERQUIMANS	28	292.79	124	324.55	225.76
73 PERSON	113	379.84	416	354.71	321.55
74 PITT	243	259.73	1016	278.38	341.31
75 POLK	74	543.51	256	485.34	284.14
76 RANDOLPH	248	266.09	968	262.97	274.37
77 RICHMOND	171	375.29	659	362.41	334.74
78 ROBESON	299	288.27	1128	275.68	307.63
79 ROCKINGHAM	300	353.36	1097	326.75	304.05
80 ROWAN	322	318.12	1388	348.09	274.34
81 RUTHERFORD	233	424.50	807	372.62	297.80
82 SAMPSON	177	355.57	739	372.37	336.76
83 SCOTLAND	96	288.89	374	287.01	336.24
84 STANLY	182	375.09	685	354.91	316.14
85 STOKES	75	216.31	338	251.66	265.90
86 SURRY	203	335.18	830	347.88	293.56
87 SWAIN	46	437.59	168	404.85	290.51
88 TRANSYLVANIA	69	283.07	275	289.61	253.60
89 TYRRELL	19	444.13	78	475.75	411.90
90 UNION	189	258.71	700	246.43	281.37
91 VANCE	145	390.55	595	404.28	353.77
92 WAKE	651	206.88	2545	208.68	277.26
93 WARREN	69	418.71	267	408.25	311.46
94 WASHINGTON	62	429.89	230	390.91	403.20
95 WATAUGA	62	186.56	278	215.64	253.35
96 WAYNE	327	334.92	1186	304.47	360.17
97 WILKES	203	339.77	819	346.12	335.66
98 WILSON	198	311.65	756	299.55	310.38
99 YADKIN	74	252.60	328	285.10	238.22
100 YANCEY	35	230.20	168	279.49	164.29

* SEE SECTION I

DISEASES OF THE HEART

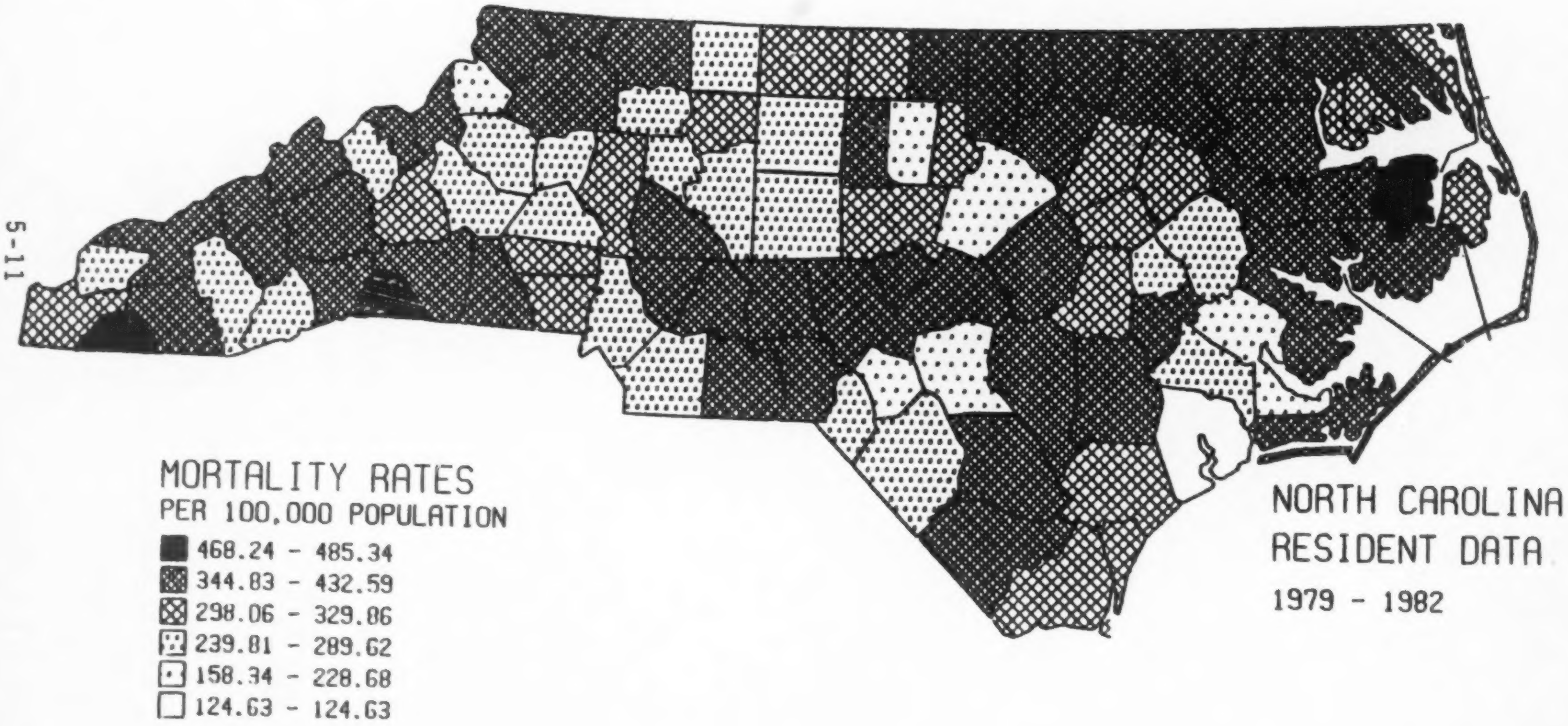

MORTALITY RATES
PER 100,000 POPULATION
■ 468.24 - 485.34
▩ 344.83 - 432.59
▨ 298.06 - 329.86
⁙ 239.81 - 289.62
⊡ 158.34 - 228.68
☐ 124.63 - 124.63
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 3.A

DISEASES OF THE HEART

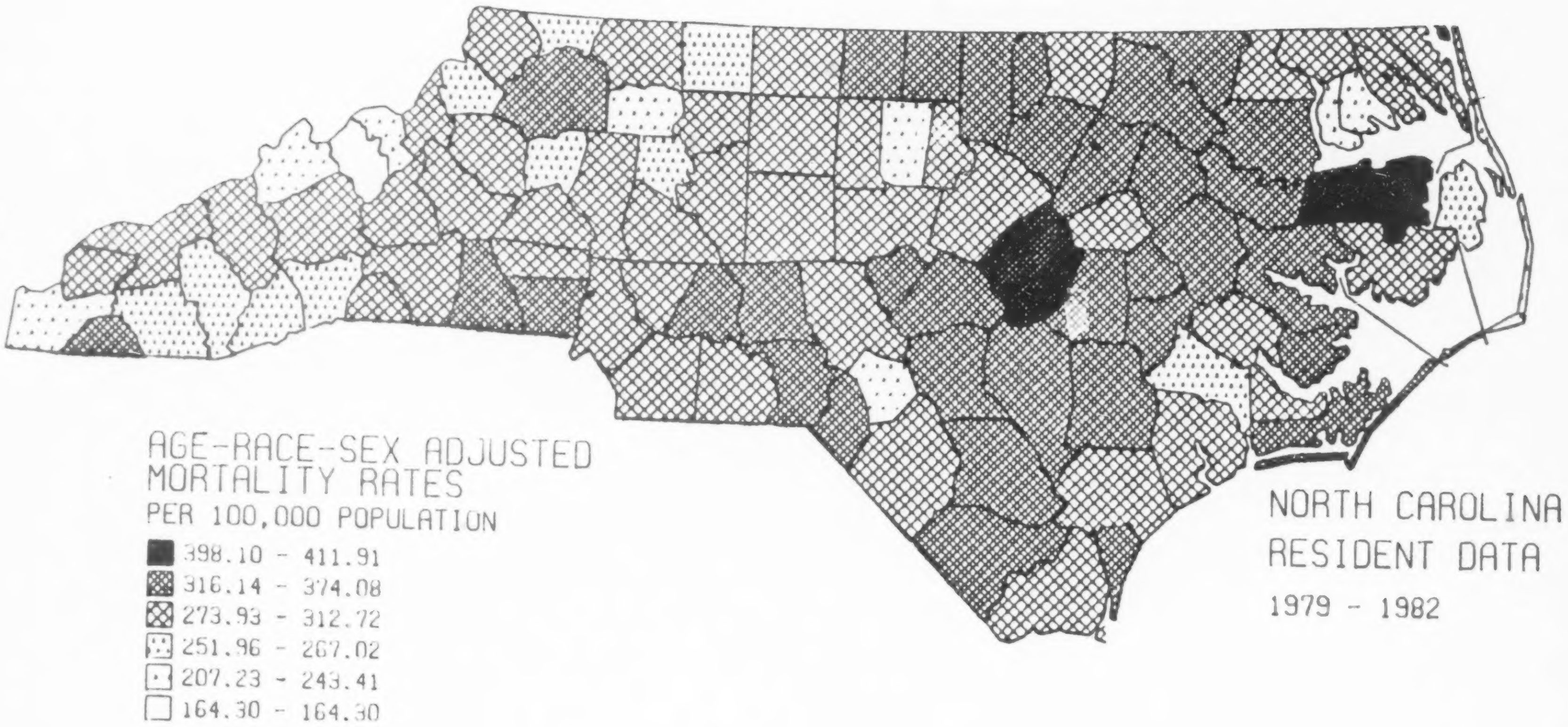

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 398.10 - 411.91
▦ 316.14 - 374.08
▩ 273.93 - 312.72
⁘ 251.96 - 267.02
⊡ 207.23 - 243.41
☐ 164.30 - 164.30
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 3.B

TABLE 4

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

ACUTE MYOCARDIAL INFARCTION

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	7995	132.83	32172	135.80	135.80
REGIONS					
DHR I WESTERN	2930	141.91	11764	145.09	132.17
DHR II N. CENTRAL	1837	143.14	7253	143.06	136.15
DHR III S. CENTRAL	1567	112.56	6420	117.38	139.21
DHR IV EASTERN	1661	129.92	6735	133.54	142.22
HSA I WESTERN	1577	151.44	6253	152.59	129.40
HSA II PIEDMONT	1558	137.39	6184	137.99	132.43
HSA III S. PIEDMONT	1353	132.21	5511	137.43	137.88
HSA IV CAPITAL	956	113.40	3870	117.23	129.38
HSA V CARDINAL	1236	134.46	4963	137.17	157.44
HSA VI EASTERN	1315	124.33	5391	128.90	139.58
COUNTIES					
1 ALAMANCE	151	150.78	656	164.68	144.03
2 ALEXANDER	24	92.54	109	107.56	121.12
3 ALLEGHANY	14	141.85	76	195.77	116.26
4 ANSON	58	226.02	214	209.24	173.36
5 ASHE	34	148.29	165	183.62	172.84
6 AVERY	30	201.50	122	208.82	172.82
7 BEAUFORT	57	136.24	263	160.36	140.11
8 BERTIE	42	195.95	169	199.53	175.11
9 BLADEN	63	204.51	227	185.67	192.19
10 BRUNSWICK	58	148.90	231	156.56	144.08
11 BUNCOMBE	234	142.53	961	148.49	116.54
12 BURKE	118	159.85	425	145.95	140.40
13 CABARRUS	154	172.65	689	195.32	175.52
14 CALDWELL	75	110.57	338	124.99	130.80
15 CAMDEN	2	35.18	27	117.36	103.81
16 CARTERET	72	163.69	298	176.07	156.28
17 CASWELL	23	107.83	112	134.16	143.41
18 CATAWBA	176	162.85	676	159.56	163.50
19 CHATHAM	45	130.09	212	156.44	140.75
20 CHEROKEE	38	196.45	130	170.70	106.42
21 CHOWAN	22	174.68	66	130.83	100.21
22 CLAY	25	356.93	78	287.57	235.56*
23 CLEVELAND	136	162.67	581	174.25	166.28
24 COLUMBUS	87	167.84	359	174.42	176.76
25 CRAVEN	67	90.85	255	88.62	115.49
26 CUMBERLAND	165	65.60	705	70.83	142.25
27 CURRITUCK	10	86.04	48	105.48	92.99
28 DARE	21	140.24	72	129.07	96.21
29 DAVIDSON	138	121.02	560	123.76	120.76
30 DAVIE	31	113.87	139	135.18	128.63
31 DUPLIN	84	203.13	322	196.55	186.81
32 DURHAM	190	121.76	768	124.80	132.57
33 EDGECOMBE	84	148.84	305	135.64	145.87
34 FORSYTH	344	138.05	1337	136.11	134.32
35 FRANKLIN	64	208.09	295	243.53	201.12
36 GASTON	270	162.94	1088	166.70	167.85
37 GATES	15	162.44	57	159.70	121.04
38 GRAHAM	9	126.76	41	143.92	142.17
39 GRANVILLE	61	173.13	211	153.28	149.16
40 GREENE	18	111.45	73	114.10	137.65
41 GUILFORD	408	127.71	1550	122.04	122.50

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
ACUTE MYOCARDIAL INFARCTION CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
42 HALIFAX	81	145.54	381	171.70	166.38
43 HARNETT	91	147.87	355	147.29	154.97
44 HAYWOOD	91	193.24	344	184.15	142.97
45 HENDERSON	107	173.02	369	154.71	99.00
46 HERTFORD	46	193.80	164	174.46	148.97
47 HOKE	16	72.49	82	98.35	129.23
48 HYDE	7	117.60	46	192.96	165.97
49 IREDELL	125	147.94	533	159.95	143.39
50 JACKSON	38	141.73	138	132.28	126.53
51 JOHNSTON	76	104.89	351	123.02	117.23
52 JONES	8	81.89	42	108.29	103.91
53 LEE	53	141.51	259	175.90	177.80
54 LENOIR	89	148.82	402	168.18	170.77
55 LINCOLN	62	143.83	286	168.46	167.45
56 MCDOWELL	57	157.64	218	154.10	137.23
57 MACON	40	185.13	151	181.25	120.55
58 MADISON	22	126.98	106	155.44	93.91
59 MARTIN	31	117.93	110	105.24	103.72
60 MECKLENBURG	341	81.56	1385	84.91	98.95
61 MITCHELL	24	167.20	98	169.77	102.21
62 MONTGOMERY	50	218.89	213	237.19	203.67
63 MOORE	82	158.57	391	192.47	147.39
64 NASH	93	134.54	392	144.18	144.95
65 NEW HANOVER	161	150.15	606	144.82	148.11
66 NORTHAMPTON	31	137.35	161	178.01	150.68
67 ONSLOW	49	43.13	236	52.05	124.75
68 ORANGE	50	63.71	225	72.72	97.33
69 PAMLICO	18	168.99	73	175.43	138.77
70 PASQUOTANK	56	196.62	153	134.68	124.33
71 PENDER	40	175.63	148	165.68	149.63
72 PERQUIMANS	15	156.85	53	138.72	103.56
73 PERSON	43	144.54	168	143.24	131.46
74 PITT	92	98.33	371	101.65	134.45
75 POLK	29	213.00	97	183.90	112.98
76 RANDOLPH	132	141.63	521	141.54	142.10
77 RICHMOND	94	206.30	334	183.68	169.31
78 ROBESON	140	134.98	550	134.41	155.98
79 ROCKINGHAM	145	170.79	524	156.07	142.47
80 ROWAN	174	171.90	735	184.33	144.41
81 RUTHERFORD	94	171.26	356	164.38	133.15
82 SAMPSON	84	168.74	364	183.41	169.74
83 SCOTLAND	47	141.43	184	141.20	164.63
84 STANLY	101	208.15	386	199.99	171.39
85 STOKES	40	115.36	183	136.25	148.85
86 SURRY	109	179.97	432	181.06	149.01
87 SWAIN	15	142.69	74	178.33	137.45
88 TRANSYLVANIA	30	123.07	131	137.96	127.45
89 TYRRELL	6	187.00	34	207.38	180.15
90 UNION	126	172.47	409	143.98	163.04
91 VANCE	75	202.00	265	180.06	159.38
92 WAKE	263	83.57	986	80.84	107.58
93 WARREN	36	218.45	130	198.77	167.37
94 WASHINGTON	14	97.07	55	93.47	95.33
95 WATAUGA	30	90.27	161	124.88	138.82
96 WAYNE	114	116.76	464	119.11	145.73
97 WILKES	62	113.81	229	96.77	91.20
98 WILSON	69	108.60	299	118.47	128.04
99 YADKIN	37	126.30	170	147.76	116.53
100 YANCEY	19	124.96	79	131.43	79.80

* SEE SECTION I

ACUTE MYOCARDIAL INFARCTION

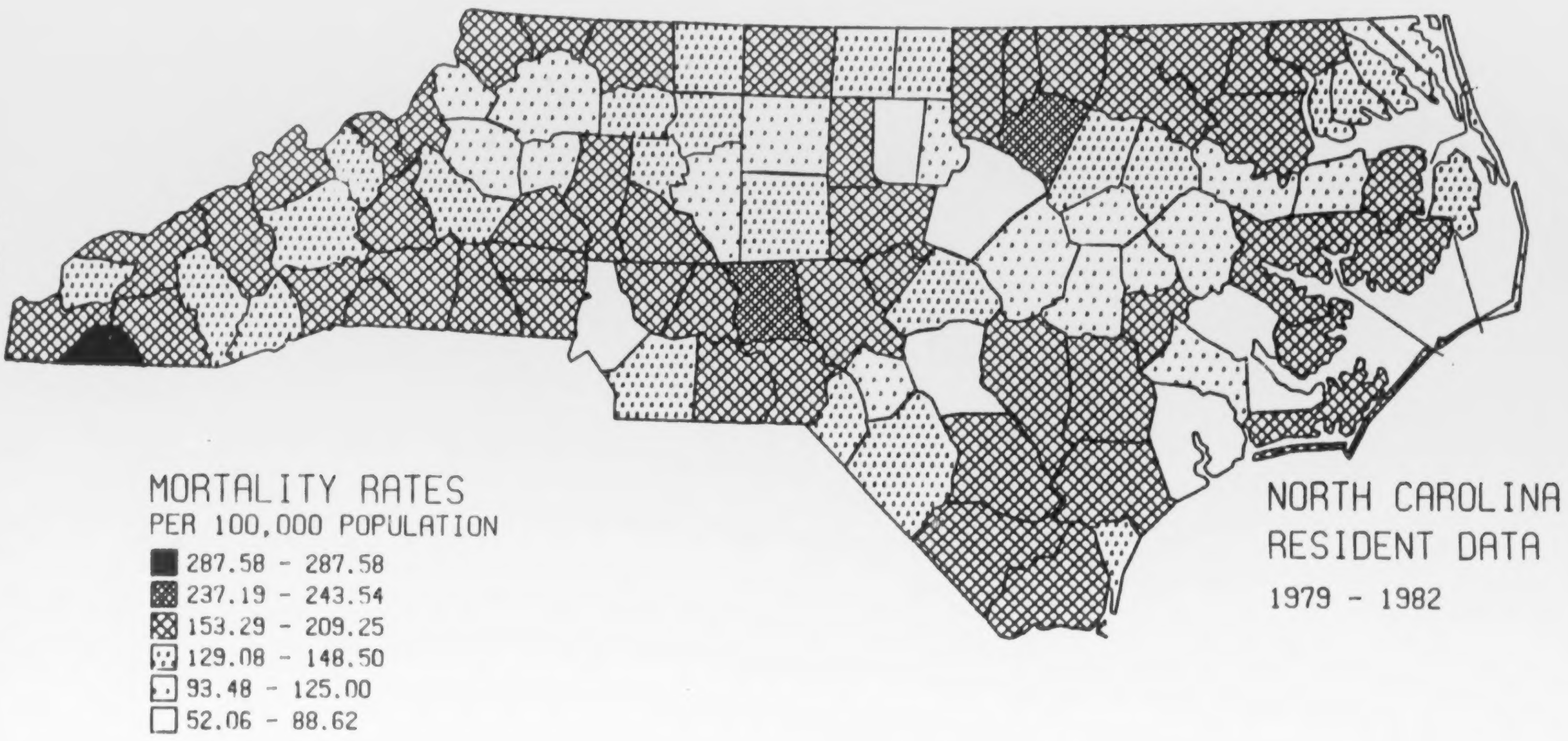

MORTALITY RATES
PER 100,000 POPULATION
■ 287.58 - 287.58
▩ 237.19 - 243.54
▨ 153.29 - 209.25
⁙ 129.08 - 148.50
∴ 93.48 - 125.00
□ 52.06 - 88.62
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 4.A

ACUTE MYOCARDIAL INFARCTION

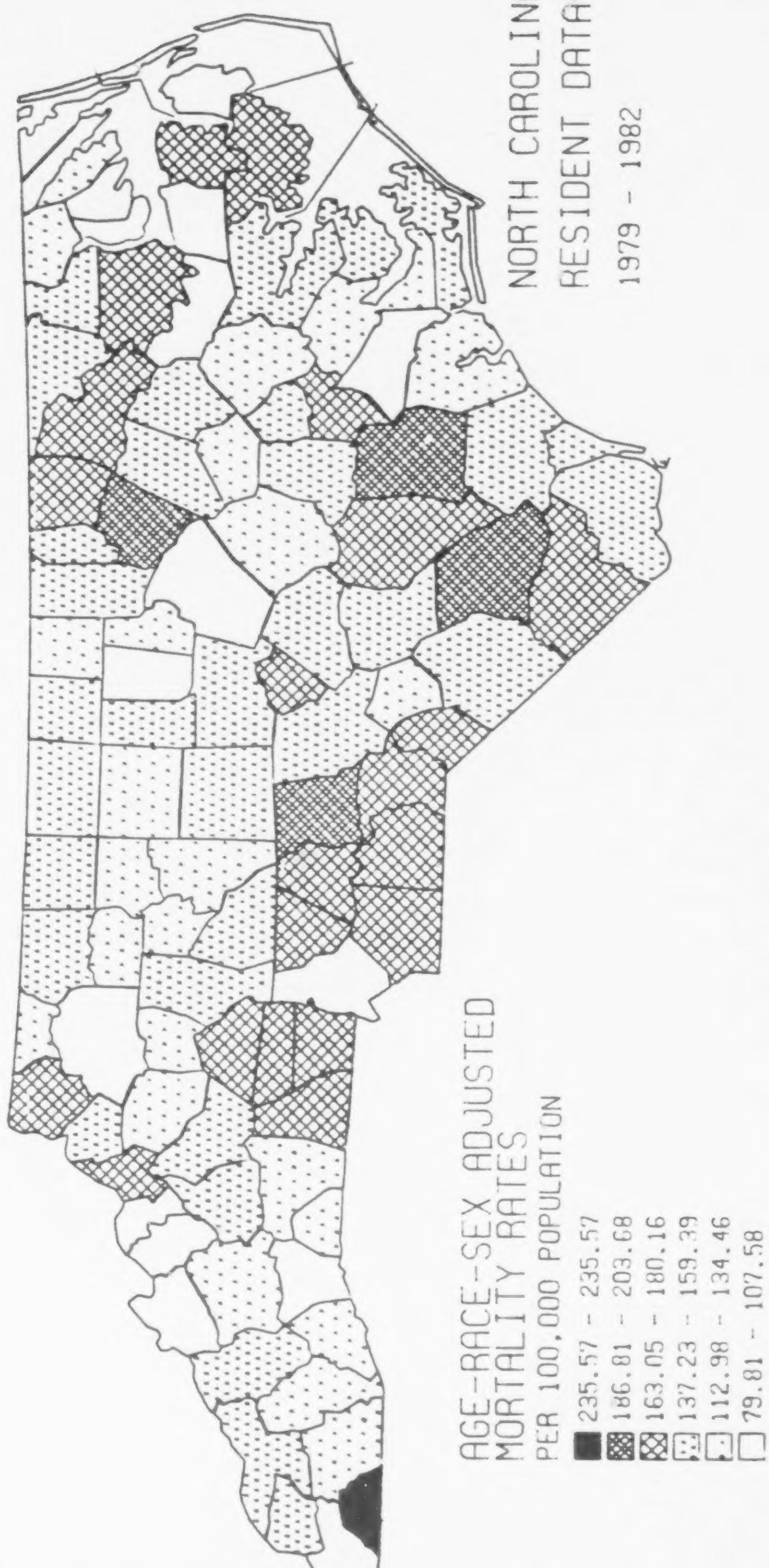

NORTH CAROLINA
RESIDENT DATA
1979 - 1982
AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 235.57 - 235.57
▩ 186.81 - 203.68
▨ 163.05 - 180.16
░ 137.23 - 159.39
░ 112.98 - 134.46
☐ 79.81 - 107.58

FIGURE 4.B

TABLE 5

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

OTHER FORMS OF ISCHEMIC HEART DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	4688	77.89	19191	81.00	81.00
REGIONS					
DHR I WESTERN	1614	78.17	6728	82.98	76.80
DHR II N. CENTRAL	1015	79.09	4081	80.49	76.66
DHR III S. CENTRAL	982	70.54	4151	75.89	90.46
DHR IV EASTERN	1077	84.24	4231	83.89	87.69
HSA I WESTERN	893	85.75	3678	89.75	72.88
HSA II PIEDMONT	934	82.36	3703	82.63	80.48
HSA III S. PIEDMONT	721	70.45	3050	76.06	78.53
HSA IV CAPITAL	585	69.39	2586	78.34	85.69
HSA V CARDINAL	675	73.43	2610	72.13	83.84
HSA VI EASTERN	880	83.20	3564	85.22	90.41
COUNTIES					
1 ALAMANCE	113	112.84	481	120.75	110.17
2 ALEXANDER	12	46.27	71	70.06	69.19
3 ALLEGHANY	6	60.79	20	51.51	27.68
4 ANSON	11	42.86	87	85.06	66.62
5 ASHE	19	82.86	79	87.91	49.25
6 AVERY	13	87.31	37	63.33	50.91
7 BEAUFORT	42	100.39	135	82.31	73.77
8 BERTIE	9	41.99	50	59.03	55.83
9 BLADEN	21	68.17	80	65.43	68.55
10 BRUNSWICK	43	110.39	119	80.65	78.08
11 BUNCOMBE	200	121.82	766	118.36	84.20
12 BURKE	48	65.02	211	72.46	82.13
13 CABARRUS	46	51.57	217	62.46	56.62
14 CALDWELL	59	86.98	195	72.11	84.22
15 CAMDEN	7	123.13	32	139.09	121.62
16 CARTERET	32	72.75	93	54.94	49.96
17 CASWELL	16	75.01	87	104.21	105.38
18 CATAWBA	61	56.44	245	57.82	60.32
19 CHATHAM	26	75.16	110	81.17	68.65
20 CHEROKEE	12	62.03	47	61.71	36.77
21 CHOWAN	15	119.10	46	91.18	70.52
22 CLAY	3	42.83	15	55.30	30.70
23 CLEVELAND	57	68.17	189	56.68	52.06
24 COLUMBUS	58	111.89	197	95.71	86.56
25 CRAVEN	36	48.81	181	62.90	87.47
26 CUMBERLAND	83	33.00	421	42.29	96.56
27 CURRITUCK	11	94.64	56	123.06	117.90
28 DARE	11	73.46	46	82.46	81.24
29 DAVIDSON	90	78.93	363	80.22	81.59
30 DAVIE	23	84.49	80	77.80	72.08
31 DUPLIN	40	96.73	131	79.96	78.16
32 DURHAM	126	80.74	529	85.96	86.74
33 EDGECOMBE	47	83.28	204	90.72	90.43
34 FORSYTH	210	84.27	798	81.23	78.81
35 FRANKLIN	11	35.76	74	61.09	52.44
36 GASTON	123	74.22	504	77.22	83.15
37 GATES	7	75.80	37	103.66	72.44
38 GRAHAM	1	14.08	13	45.63	53.69*
39 GRANVILLE	29	82.30	99	71.92	65.90
40 GREENE	14	86.68	57	89.09	104.66
41 GUILFORD	278	87.01	1087	85.58	85.88

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
OTHER FORMS OF ISCHEMIC HEART DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	63	113.20	259	116.72	94.52
43 HARNETT	80	129.99	278	115.34	121.68
44 HAYWOOD	50	106.17	196	104.92	81.29
45 HENDERSON	87	140.68	346	145.06	95.15
46 HERTFORD	19	80.05	57	60.63	59.60
47 HOKE	6	36.24	34	40.78	52.25
48 HYDE	3	50.40	16	67.11	49.11
49 IREDELL	69	81.66	293	87.92	79.59
50 JACKSON	21	78.32	70	67.10	55.32
51 JOHNSTON	97	133.87	472	165.43	160.89
52 JONES	10	102.36	40	103.14	105.49
53 LEE	27	72.09	134	91.00	90.56
54 LENOIR	51	85.28	215	89.94	92.86
55 LINCOLN	23	53.35	99	58.31	54.28
56 MCDOWELL	37	102.32	145	102.50	91.18
57 MACON	20	92.56	91	109.23	75.69
58 MADISON	16	92.35	62	90.91	53.26
59 MARTIN	18	68.47	106	101.41	92.15
60 MECKLENBURG	321	76.78	1346	82.52	95.02
61 MITCHELL	12	83.60	47	81.42	44.81
62 MONTGOMERY	22	96.31	80	89.08	73.27
63 MOORE	69	133.43	203	99.92	73.02
64 NASH	60	86.80	228	83.86	89.49
65 NEW HANOVER	76	70.88	283	67.63	70.22
66 NORTHAMPTON	27	119.62	116	128.25	101.47
67 ONSLOW	55	48.41	196	43.23	109.11
68 ORANGE	36	45.87	151	46.80	64.49
69 PAMLICO	15	140.83	53	127.37	97.85
70 PASQUOTANK	28	98.31	127	111.79	101.04
71 PENDER	20	87.81	68	76.12	72.71
72 PERQUIMANS	5	52.28	32	83.75	55.83
73 PERSON	14	47.06	43	36.66	34.72
74 PITT	64	68.40	313	85.76	103.11
75 POLK	20	146.89	89	168.73	88.58
76 RANDOLPH	63	67.59	227	61.66	65.89
77 RICHMOND	44	96.56	208	114.38	107.58
78 ROBESON	84	80.98	332	81.14	97.27
79 ROCKINGHAM	66	77.73	250	74.46	68.95
80 ROWAN	69	68.16	312	78.24	60.68
81 RUTHERFORD	55	100.20	192	88.65	67.08
82 SAMPSON	45	90.40	155	78.10	70.13
83 SCOTLAND	11	33.10	65	49.88	64.58
84 STANLY	50	103.04	159	82.38	73.55
85 STOKES	17	49.03	78	58.07	64.71
86 SURRY	42	69.34	183	76.70	56.57
87 SWAIN	7	66.59	31	74.70	48.95
88 TRANSYLVANIA	9	36.92	49	51.60	34.83
89 TYRRELL	4	93.50	22	134.18	121.29
90 UNION	20	27.37	120	42.24	47.85
91 VANCE	17	45.78	96	65.22	57.76
92 WAKE	192	61.01	812	66.58	90.57
93 WARREN	10	60.68	66	100.91	73.92
94 WASHINGTON	22	152.54	72	122.37	141.52
95 WATAUGA	10	30.09	41	31.80	52.83 *
96 WAYNE	113	115.73	384	98.58	111.93
97 WILKES	56	93.73	386	163.12	163.89
98 WILSON	52	81.84	260	103.02	104.07
99 YADKIN	16	54.61	69	59.97	54.82
100 YANCEY	2	13.15	45	74.86	43.03

* SEE SECTION I

OTHER ISCHEMIC HEART DISEASE

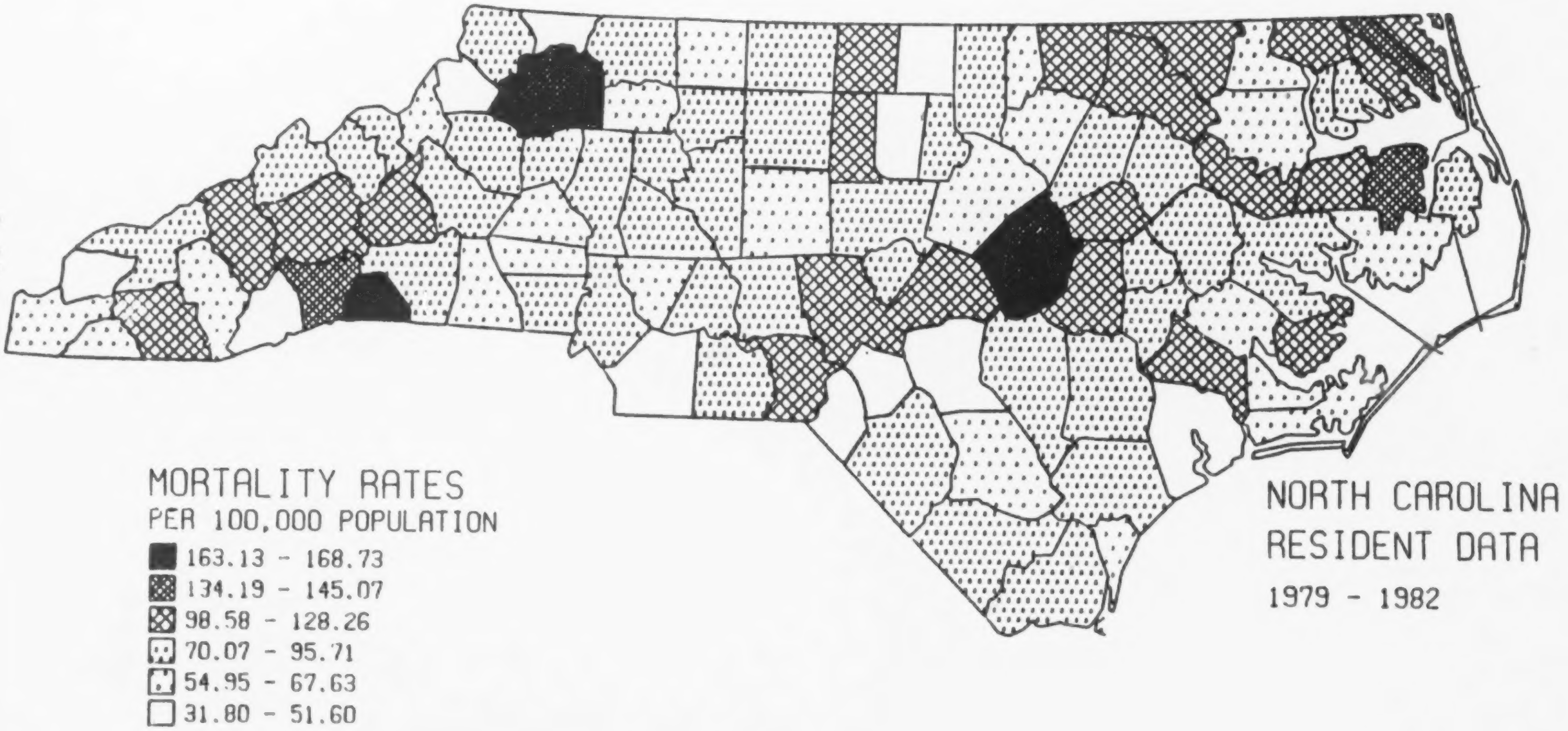

MORTALITY RATES
PER 100,000 POPULATION
■ 163.13 - 168.73
▩ 134.19 - 145.07
▨ 98.58 - 128.26
⁙ 70.07 - 95.71
⁚ 54.95 - 67.63
□ 31.80 - 51.60
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 5.A

OTHER ISCHEMIC HEART DISEASE

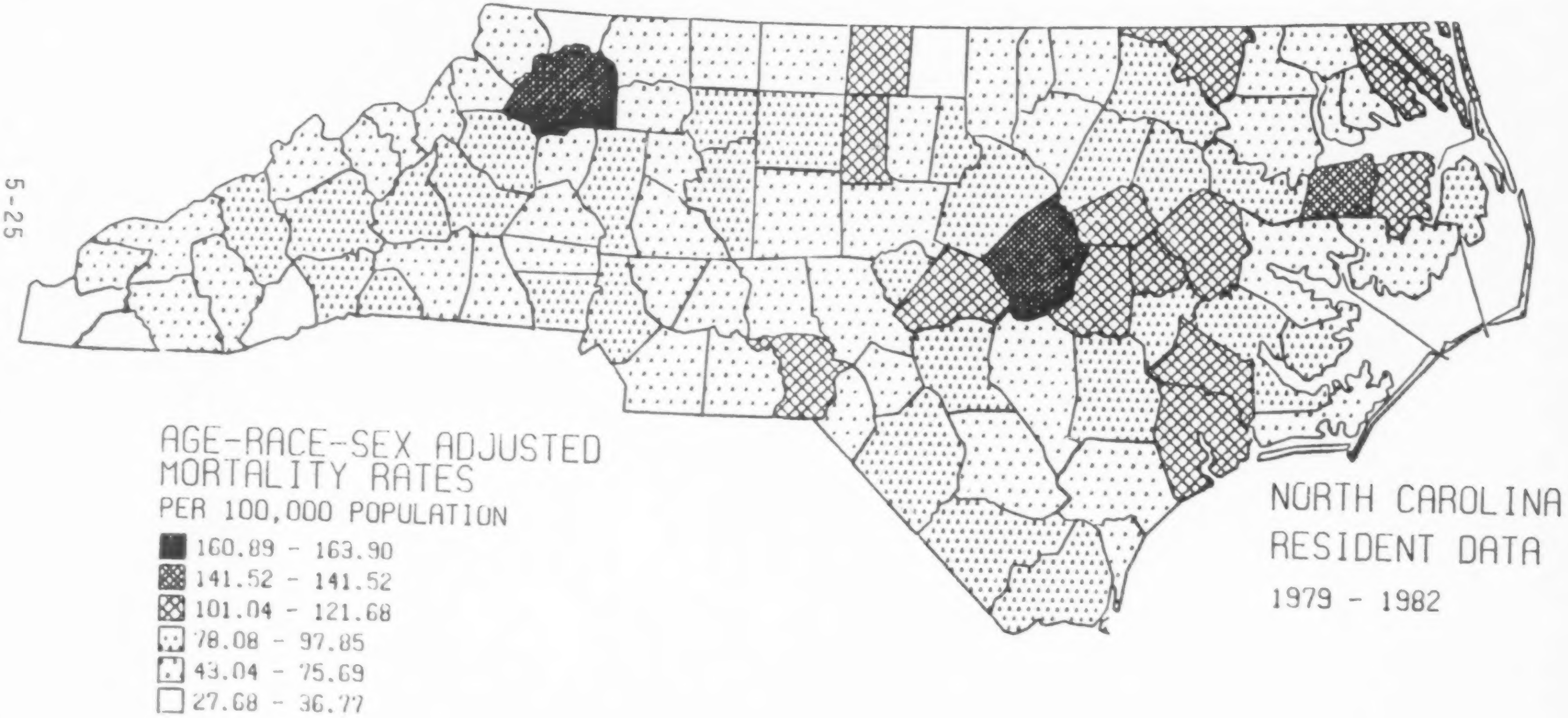

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 160.89 - 163.90
▩ 141.52 - 141.52
▨ 101.04 - 121.68
⛚ 78.08 - 97.85
⛚ 43.04 - 75.69
□ 27.68 - 36.77
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 5.B

TABLE 6

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

HYPERTENSION WITH OR WITHOUT RENAL DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	247	4.10	960	4.05	4.05
REGIONS					
DHR I WESTERN	84	4.06	300	3.70	4.09
DHR II N. CENTRAL	55	4.28	203	4.00	3.92
DHR III S. CENTRAL	56	4.02	231	4.22	4.34
DHR IV EASTERN	52	4.06	226	4.48	3.89
HSA I WESTERN	38	3.64	137	3.34	3.42
HSA II PIEDMONT	46	4.05	161	3.59	3.74
HSA III S. PIEDMONT	46	4.49	163	4.06	4.54
HSA IV CAPITAL	37	4.38	141	4.27	4.12
HSA V CARDINAL	32	3.48	166	4.58	4.47
HSA VI EASTERN	48	4.53	192	4.59	4.00
COUNTIES					
1 ALAMANCE	4	3.99	14	3.51	3.25
2 ALEXANDER	2	7.71	5	4.93	8.78
3 ALLEGHANY	0	0.00	1	2.57	1.84
4 ANSON	2	7.79	14	13.68	9.66
5 ASHE	2	8.72	2	2.22	1.28
6 AVERY	0	0.00	1	1.71	1.14
7 BEAUFORT	0	0.00	13	7.92	6.37
8 BERTIE	2	9.33	5	5.90	4.33
9 BLADEN	0	0.00	4	3.27	2.36
10 BRUNSWICK	1	2.56	5	3.38	3.52
11 BUNCOMBE	6	3.65	29	4.48	3.56
12 BURKE	2	2.70	11	3.77	3.93
13 CABARRUS	8	8.96	15	4.31	4.36
14 CALDWELL	2	2.94	7	2.58	2.39
15 CAMDEN	0	0.00	1	4.34	6.57
16 CARTERET	2	4.54	6	3.54	3.71
17 CASWELL	1	4.68	2	2.39	1.37
18 CATAWBA	1	0.92	9	2.12	2.36
19 CHATHAM	4	11.56	10	7.37	6.11
20 CHEROKEE	0	0.00	3	3.93	2.06
21 CHOWAN	1	7.94	5	9.91	6.21
22 CLAY	0	0.00	0	0.00	0.00
23 CLEVELAND	4	4.78	9	2.69	2.57
24 COLUMBUS	0	0.00	11	5.34	4.08
25 CRAVEN	3	4.06	10	3.47	4.29
26 CUMBERLAND	11	4.37	43	4.32	8.22
27 CURRITUCK	0	0.00	1	2.19	2.04
28 DARE	1	6.67	2	3.58	2.94
29 DAVIDSON	4	3.50	13	2.87	3.58
30 DAVIE	2	7.34	3	2.91	3.31
31 DUPLIN	1	2.41	4	2.44	1.74
32 DURHAM	4	2.56	21	3.41	3.11
33 EDGECOMBE	6	10.63	11	4.89	3.09
34 FORSYTH	18	7.22	47	4.78	4.60
35 FRANKLIN	2	6.50	9	7.43	5.61
36 GASTON	4	2.41	20	3.06	3.56
37 GATES	0	0.00	0	0.00	0.00
38 GRAHAM	0	0.00	1	3.51	2.65
39 GRANVILLE	1	2.83	8	5.81	4.26
40 GREENE	1	6.19	7	10.94	7.80
41 GUILFORD	10	3.13	46	3.62	3.65

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
HYPERTENSION WITH OR WITHOUT RENAL DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	4	7.18	10	4.50	3.36
43 HARNETT	1	1.62	8	3.31	3.57
44 HAYWOOD	3	6.37	7	3.74	2.23
45 HENDERSON	4	6.46	18	7.54	14.06
46 HERTFORD	0	0.00	2	2.12	0.68
47 HOKE	2	9.06	5	5.99	5.04
48 HYDE	0	0.00	1	4.19	1.81
49 IREDELL	5	5.91	15	4.50	5.71
50 JACKSON	1	3.72	6	5.75	7.16
51 JOHNSTON	8	11.04	16	5.60	5.80
52 JONES	0	0.00	1	2.57	1.25
53 LEE	3	8.01	14	9.50	9.97
54 LENOIR	4	6.68	16	6.69	5.75
55 LINCOLN	2	4.63	5	2.94	4.78
56 MCDOWELL	1	2.76	3	2.12	1.71
57 MACON	3	13.88	8	9.60	4.13
58 MADISON	1	5.77	1	1.46	0.68
59 MARTIN	2	7.60	8	7.65	4.30
60 MECKLENBURG	18	4.30	75	4.59	5.18
61 MITCHELL	0	0.00	1	1.73	0.96
62 MONTGOMERY	1	4.37	6	6.68	5.69
63 MOORE	2	3.86	10	4.92	3.87
64 NASH	2	2.89	10	3.67	3.30
65 NEW HANOVER	1	0.93	16	3.82	3.87
66 NORTHAMPTON	0	0.00	3	3.31	1.22
67 ONSLOW	2	1.76	5	1.10	2.90
68 ORANGE	3	3.82	15	4.84	6.21
69 PAMLICO	0	0.00	0	0.00	0.00
70 PASQUOTANK	1	3.51	4	3.52	2.58
71 PENDER	2	8.78	2	2.23	1.74
72 PERQUIMANS	0	0.00	2	5.23	2.76
73 PERSON	1	3.36	3	2.55	2.32
74 PITT	4	4.27	18	4.93	4.32
75 POLK	3	22.03	5	9.47	8.83
76 RANDOLPH	1	1.07	5	1.35	1.89
77 RICHMOND	3	6.58	9	4.94	4.24
78 ROBESON	2	1.92	21	5.13	4.37
79 ROCKINGHAM	3	3.53	15	4.46	4.30
80 ROWAN	6	5.92	19	4.76	4.42
81 RUTHERFORD	1	1.82	3	1.38	1.55
82 SAMPSON	3	6.02	4	2.01	1.76
83 SCOTLAND	1	3.00	8	6.13	4.39
84 STANLY	1	2.06	5	2.59	1.93
85 STOKES	0	0.00	3	2.23	3.62
86 SURRY	2	3.30	10	4.19	4.00
87 SWAIN	0	0.00	0	0.00	0.00
88 TRANSYLVANIA	0	0.00	0	0.00	0.00
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	2	2.73	9	3.16	4.09
91 VANCE	3	8.08	16	10.87	7.14
92 WAKE	6	1.90	23	1.88	2.29
93 WARREN	2	12.13	6	9.17	2.30
94 WASHINGTON	3	20.80	9	15.29	10.53
95 WATAUGA	1	3.00	3	2.32	1.87
96 WAYNE	5	5.12	26	6.67	6.19
97 WILKES	1	1.67	3	1.26	1.56
98 WILSON	4	6.29	12	4.75	3.92
99 YADKIN	1	3.41	3	2.60	3.82
100 YANCEY	0	0.00	1	1.66	0.89

* SEE SECTION 1

TABLE 7

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

CEREBROVASCULAR DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	4594	76.33	18759	79.18	79.18
REGIONS					
DHR I WESTERN	1474	71.39	6199	76.45	73.21
DHR II N. CENTRAL	1037	80.80	4223	83.29	79.48
DHR III S. CENTRAL	962	69.10	3822	69.88	80.09
DHR IV EASTERN	1121	87.68	4515	89.52	89.26
HSA I WESTERN	751	72.12	3188	77.79	66.57
HSA II PIEDMONT	923	81.39	3662	81.71	79.78
HSA III S. PIEDMONT	723	70.64	3011	75.09	78.96
HSA IV CAPITAL	523	62.03	2276	68.94	72.50
HSA V CARDINAL	761	82.79	2916	80.59	89.63
HSA VI EASTERN	913	86.32	3706	88.61	88.53
COUNTIES					
1 ALAMANCE	86	85.87	331	83.09	75.77
2 ALEXANDER	9	34.70	61	60.19	67.42
3 ALLEGHANY	13	131.72	50	128.79	104.73*
4 ANSON	44	171.46	109	106.57	75.07
5 ASHE	16	69.78	68	75.67	42.63
6 AVERY	5	33.58	28	47.92	38.28
7 BEAUFORT	52	124.29	201	122.56	103.66
8 BERTIE	21	97.97	79	93.27	66.58
9 BLADEN	48	155.81	176	143.96	140.78
10 BRUNSWICK	26	66.74	92	62.35	61.88
11 BUNCOMBE	141	85.88	593	91.63	69.66
12 BURKE	54	73.15	185	63.53	69.65
13 CABARRUS	85	95.29	356	102.47	98.61
14 CALDWELL	40	58.97	146	53.99	59.02
15 CAMDEN	5	87.95	24	104.32	102.32
16 CARTERET	20	45.47	73	43.13	45.51
17 CASWELL	21	98.46	85	101.81	87.35
18 CATAWBA	68	62.91	325	76.71	85.56
19 CHATHAM	39	112.74	133	98.14	84.16
20 CHEROKEE	14	72.37	42	55.14	34.14
21 CHOWAN	16	127.04	72	142.72	98.58
22 CLAY	1	14.27	11	40.55	22.57
23 CLEVELAND	66	78.94	233	69.88	66.43
24 COLUMBUS	66	127.33	245	119.03	114.76
25 CRAVEN	48	65.08	197	68.46	91.79
26 CUMBERLAND	107	42.54	480	48.22	102.78
27 CURRITUCK	8	68.83	24	52.74	50.34
28 DARE	12	80.13	41	73.50	63.94
29 DAVIDSON	73	64.02	301	66.52	74.19
30 DAVIE	14	51.42	63	61.27	65.72
31 DUPLIN	45	108.82	197	120.25	109.41
32 DURHAM	91	58.31	447	72.63	69.91
33 EDGECOMBE	64	113.40	260	115.63	97.35
34 FORSYTH	204	81.87	764	77.77	73.97
35 FRANKLIN	27	87.79	120	99.06	76.03
36 GASTON	112	67.58	434	66.49	74.93
37 GATES	11	119.12	43	120.47	84.33
38 GRAHAM	6	84.50	21	73.71	66.77
39 GRANVILLE	26	73.79	111	80.63	69.15
40 GREENE	15	92.87	54	84.40	93.04
41 GUILFORD	265	82.94	1065	83.85	81.85

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
CEREBROVASCULAR DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	64	115.00	263	118.52	93.79
43 HARNETT	44	71.49	172	71.36	76.15
44 HAYWOOD	36	76.44	179	95.82	70.34
45 HENDERSON	58	93.78	240	100.62	69.47
46 HERTFORD	18	75.83	63	67.02	49.83
47 HOKE	12	54.36	49	58.77	64.13
48 HYDE	11	184.81	33	138.43	88.28
49 IREDELL	83	98.23	295	85.52	83.70
50 JACKSON	11	41.02	57	54.64	46.55
51 JOHNSTON	62	85.57	215	75.35	75.37
52 JONES	11	112.60	46	118.61	103.51
53 LEE	30	80.10	125	84.89	86.77
54 LENOIR	66	110.36	306	128.01	120.40
55 LINCOLN	36	83.51	142	83.64	95.18
56 MCDOWELL	18	49.78	92	65.03	53.94
57 MACON	14	64.79	69	82.82	59.04
58 MADISON	8	46.17	60	87.98	74.79 *
59 MARTIN	18	68.47	70	66.97	52.68
60 MECKLENBURG	212	50.70	983	60.27	69.16
61 MITCHELL	14	97.53	64	110.87	62.01
62 MONTGOMERY	12	52.53	77	85.74	72.03
63 MOORE	70	135.37	241	118.63	88.38
64 NASH	73	105.61	322	118.43	115.01
65 NEW HANOVER	88	82.07	370	88.42	90.66
66 NORTHAMPTON	35	155.07	117	129.36	83.14
67 ONSLOW	44	38.73	113	24.92	64.56
68 ORANGE	31	39.50	126	40.72	52.91
69 PAMLICO	2	18.77	27	64.88	51.38
70 PASQUOTANK	22	77.24	100	88.02	72.01
71 PENDER	28	122.94	102	114.19	103.60
72 PERQUIMANS	9	94.11	46	120.39	75.01
73 PERSON	16	53.78	101	86.12	77.51
74 PITT	69	73.75	263	72.06	82.17
75 POLK	12	88.13	81	153.56	90.44
76 RANDOLPH	98	105.15	346	93.99	105.03
77 RICHMOND	50	109.73	188	103.38	93.45
78 ROBESON	95	91.59	354	86.51	92.29
79 ROCKINGHAM	67	78.91	330	98.29	93.21
80 ROWAN	101	99.78	400	100.31	80.79
81 RUTHERFORD	60	109.31	248	114.51	88.03
82 SAMPSON	41	82.36	151	76.08	65.20
83 SCOTLAND	30	90.27	110	84.41	93.23
84 STANLY	44	90.68	197	102.06	94.88
85 STOKES	19	54.79	95	70.73	64.05
86 SURRY	48	79.25	178	74.60	65.24
87 SWAIN	7	66.59	34	81.93	56.92
88 TRANSYLVANIA	14	57.43	60	63.18	57.87
89 TYRRELL	7	163.62	18	109.78	87.28
90 UNION	50	68.44	204	71.81	82.85
91 VANCE	25	67.33	143	97.16	71.01
92 WAKE	156	49.57	669	54.85	72.95
93 WARREN	20	121.36	86	131.49	68.85
94 WASHINGTON	13	90.14	47	79.88	81.97
95 WATAUGA	9	27.08	55	42.66	34.93
96 WAYNE	82	83.96	342	87.79	101.66
97 WILKES	42	70.29	130	54.93	55.75
98 WILSON	52	81.84	265	105.00	103.24
99 YADKIN	28	95.57	104	90.40	78.78
100 YANCEY	15	98.65	56	93.16	50.76

* SEE SECTION I

CEREBROVASCULAR DISEASES

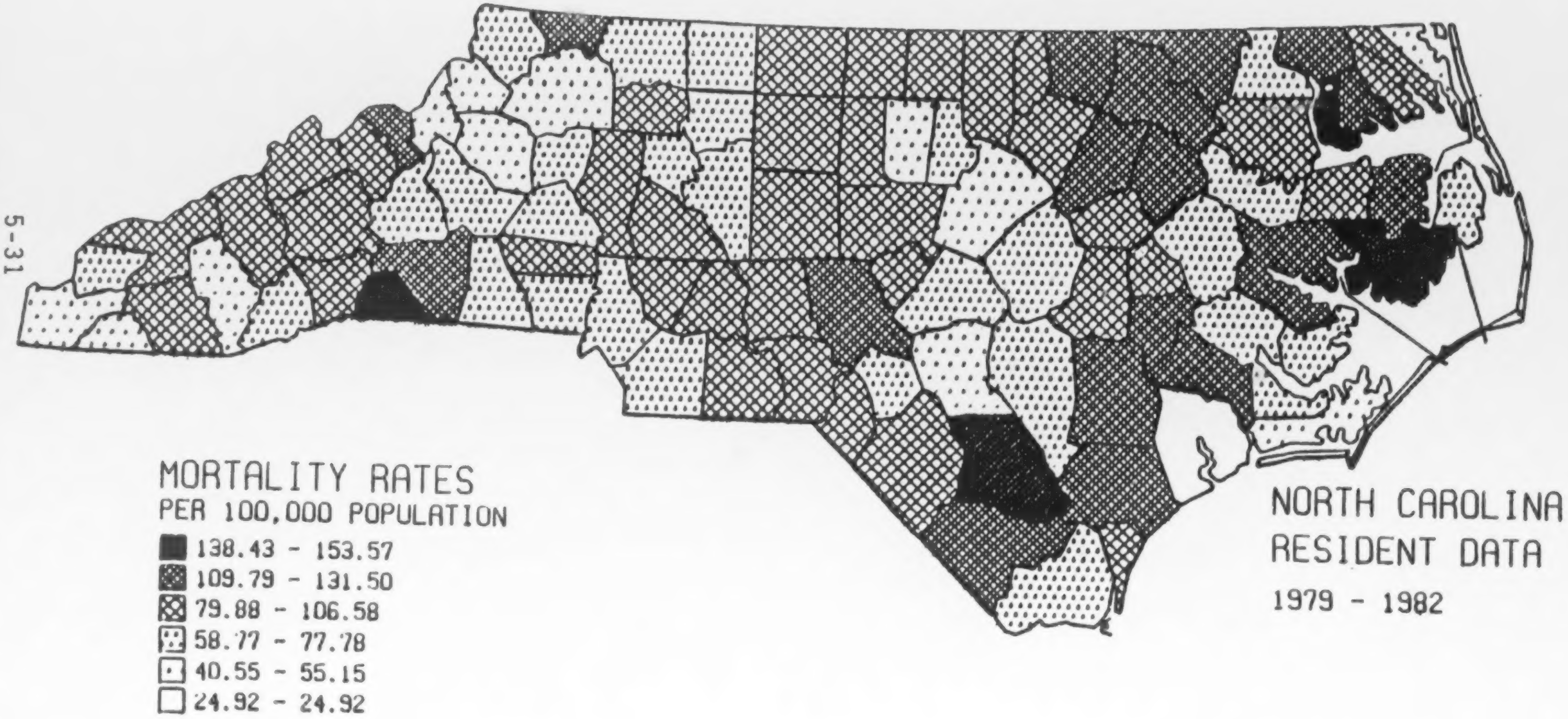

MORTALITY RATES
PER 100,000 POPULATION
■ 138.43 - 153.57
▩ 109.79 - 131.50
▨ 79.88 - 106.58
⁘ 58.77 - 77.78
⊡ 40.55 - 55.15
☐ 24.92 - 24.92
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 7.A

CEREBROVASCULAR DISEASES

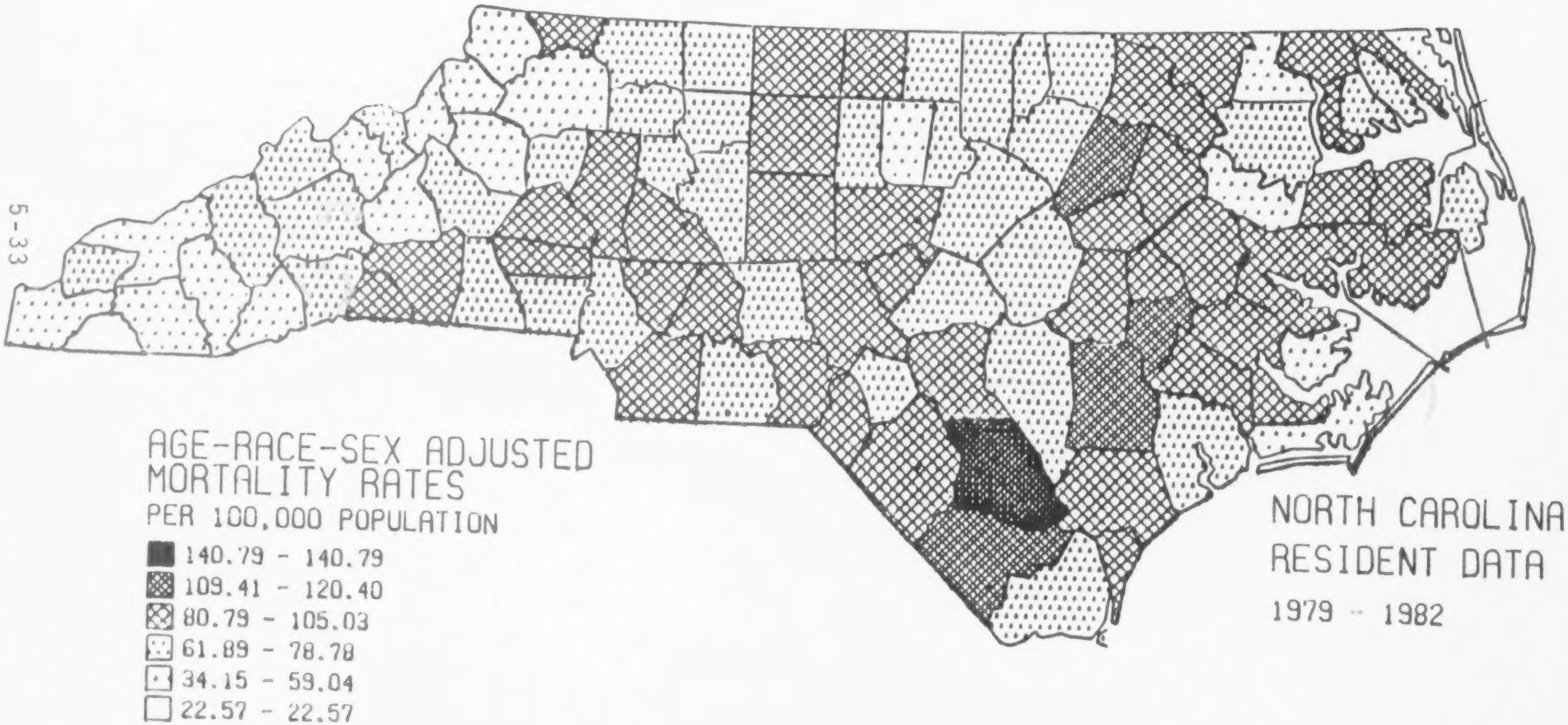

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 140.79 - 140.79
▩ 109.41 - 120.40
▨ 80.79 - 105.03
⁙ 61.89 - 78.78
⊡ 34.15 - 59.04
☐ 22.57 - 22.57
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 7.B

TABLE 8

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

ATHEROSCLEROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	521	8.65	2246	9.48	9.48
REGIONS					
DHR I WESTERN	201	9.73	778	9.59	8.81
DHR II N. CENTRAL	94	7.32	430	8.48	8.03
DHR III S. CENTRAL	115	8.26	534	9.76	11.47
DHR IV EASTERN	111	8.68	504	9.99	10.40
HSA I WESTERN	95	9.12	394	9.61	7.96
HSA II PIEDMONT	89	7.84	402	8.97	8.78
HSA III S. PIEDMONT	106	10.35	384	9.57	9.91
HSA IV CAPITAL	46	5.45	224	6.78	7.38
HSA V CARDINAL	94	10.22	454	12.54	14.46
HSA VI EASTERN	91	8.60	388	9.27	9.81
COUNTIES					
1 ALAMANCE	10	9.98	53	13.30	11.94
2 ALEXANDER	2	7.71	9	8.88	13.39*
3 ALLEGHANY	0	0.00	0	0.00	0.00
4 ANSON	0	0.00	9	8.80	5.37
5 ASHE	4	17.44	7	7.79	4.50
6 AVERY	0	0.00	1	1.71	1.74
7 BEAUFORT	1	2.39	16	9.75	8.60
8 BERTIE	4	18.66	7	8.26	7.01
9 BLADEN	5	16.23	9	7.36	6.38
10 BRUNSWICK	3	7.70	28	18.97	20.46
11 BUNCOMBE	25	15.22	88	13.59	9.11
12 BURKE	3	4.06	19	6.52	6.93
13 CABARRUS	4	4.48	17	4.89	4.32
14 CALDWELL	3	4.42	19	7.02	8.78
15 CAMDEN	0	0.00	3	13.04	9.75
16 CARTERET	1	2.27	9	5.31	3.97
17 CASWELL	2	9.37	11	13.17	11.38
18 CATAWBA	5	4.62	34	8.02	8.50
19 CHATHAM	2	5.78	7	5.16	3.85
20 CHEROKEE	2	10.33	11	14.44	14.55
21 CHOWAN	0	0.00	10	19.82	16.54
22 CLAY	1	14.27	3	11.06	5.18
23 CLEVELAND	7	8.37	42	12.59	11.38
24 COLUMBUS	9	17.36	32	15.54	14.23
25 CRAVEN	10	13.55	32	11.12	14.32
26 CUMBERLAND	11	4.37	63	6.32	16.45
27 CURRITUCK	0	0.00	2	4.39	3.75
28 DARE	0	0.00	1	1.79	1.58
29 DAVIDSON	4	3.50	24	5.30	5.43
30 DAVIE	0	0.00	8	7.78	9.36
31 DUPLIN	7	16.92	19	11.59	11.93
32 DURHAM	16	10.25	58	9.42	9.18
33 EDGECOMBE	9	15.94	38	16.89	18.90
34 FORSYTH	21	8.42	69	7.02	6.73
35 FRANKLIN	1	3.25	7	5.77	4.67
36 GASTON	17	10.25	47	7.20	8.38
37 GATES	2	21.65	2	5.60	3.91
38 GRAHAM	0	0.00	0	0.00	0.00
39 GRANVILLE	0	0.00	4	2.90	3.61
40 GREENE	3	18.57	8	12.50	14.87
41 GUILFORD	28	8.76	122	9.60	9.35

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
ATHEROSCLEROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	3	5.39	35	15.77	12.30
43 HARNETT	1	1.62	9	3.73	3.74
44 HAYWOOD	5	10.61	14	7.49	4.23
45 HENDERSON	4	6.46	34	14.25	11.02
46 HERTFORD	2	8.42	8	8.51	6.24
47 HOKE	1	4.53	7	8.39	13.72
48 HYDE	0	0.00	2	8.38	4.69
49 IREDELL	15	17.75	48	14.40	13.03
50 JACKSON	1	3.72	12	11.50	8.44
51 JOHNSTON	3	4.14	19	6.65	6.67
52 JONES	2	20.47	3	7.73	5.54
53 LEE	2	5.34	19	12.90	12.97
54 LENOIR	4	6.68	15	6.27	7.35
55 LINCOLN	3	6.95	17	10.01	11.38
56 MCDOWELL	1	2.76	11	7.77	7.25
57 MACON	2	9.25	6	7.20	3.47
58 MADISON	4	23.08	7	10.26	14.09 *
59 MARTIN	0	0.00	5	4.78	6.35
60 MECKLENBURG	27	6.45	100	6.13	7.28
61 MITCHELL	1	6.96	3	5.19	2.59
62 MONTGOMERY	4	17.51	9	10.02	7.90
63 MOORE	11	21.27	57	28.05	20.76
64 NASH	8	11.57	22	8.09	8.61
65 NEW HANOVER	8	7.46	48	11.47	11.89
66 NORTHAMPTON	2	8.86	13	14.37	10.66
67 ONSLOW	3	2.64	17	3.74	10.68
68 ORANGE	5	6.37	21	6.78	8.71
69 PAMLICO	1	9.38	4	9.61	7.48
70 PASQUOTANK	4	14.04	9	7.92	6.44
71 PENDER	0	0.00	8	8.95	8.49
72 PERQUIMANS	3	31.37	10	26.17	16.15
73 PERSON	1	3.36	9	7.67	7.12
74 PITT	6	6.41	35	9.58	10.16
75 POLK	4	29.37	11	20.85	10.72
76 RANDOLPH	1	1.07	12	3.26	5.14
77 RICHMOND	6	13.16	34	18.69	18.30
78 ROBESON	21	20.24	96	23.46	25.13
79 ROCKINGHAM	9	10.60	40	11.91	11.35
80 ROWAN	28	27.66	93	23.32	17.44
81 RUTHERFORD	7	12.75	23	10.62	8.28
82 SAMPSON	5	10.04	11	5.54	5.31
83 SCOTLAND	9	27.08	34	26.09	32.23
84 STANLY	6	12.36	22	11.39	11.28
85 STOKES	2	5.76	11	8.19	7.21
86 SURRY	10	16.51	41	17.18	15.38
87 SWAIN	3	28.53	5	12.04	9.05 *
88 TRANSYLVANIA	3	12.30	10	10.53	7.09
89 TYRRELL	0	0.00	2	12.19	6.28
90 UNION	6	8.21	40	14.08	17.05
91 VANCE	2	5.38	7	4.75	4.52
92 WAKE	13	4.13	72	5.90	8.03
93 WARREN	1	6.06	1	1.52	2.58
94 WASHINGTON	0	0.00	3	5.09	6.00
95 WATAUGA	2	6.01	8	6.20	21.98 *
96 WAYNE	8	8.19	33	8.47	9.28
97 WILKES	4	6.69	11	4.64	4.99
98 WILSON	8	12.59	25	9.90	10.91
99 YADKIN	2	6.82	11	9.56	7.08
100 YANCEY	2	13.15	6	9.98	5.12

* SEE SECTION I

TABLE 9

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

CANCER

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	10187	169.26	38883	164.13	164.13
REGIONS					
DHR I WESTERN	3526	170.77	13509	166.62	160.14
DHR II N. CENTRAL	2275	177.27	8695	171.50	164.33
DHR III S. CENTRAL	2088	149.99	8016	146.56	166.79
DHR IV EASTERN	2298	179.75	8663	171.77	173.03
HSA I WESTERN	1805	173.33	7039	171.77	154.88
HSA II PIEDMONT	2003	176.63	7593	169.44	164.98
HSA III S. PIEDMONT	1721	168.17	6470	161.35	165.23
HSA IV CAPITAL	1327	157.40	5224	158.25	168.30
HSA V CARDINAL	1459	158.72	5459	150.88	166.29
HSA VI EASTERN	1872	176.99	7098	169.72	172.88
COUNTIES					
1 ALAMANCE	199	198.72	749	188.03	166.57
2 ALEXANDER	28	107.97	142	140.13	146.11
3 ALLEGHANY	15	151.99	80	206.07	138.72
4 ANSON	43	167.56	165	161.33	140.81
5 ASHE	34	148.29	138	153.57	95.24
6 AVERY	28	188.07	81	138.64	146.75*
7 BEAUFORT	80	191.22	332	202.44	180.20
8 BERTIE	58	270.61	200	236.13	209.84
9 BLADEN	41	133.09	184	150.50	137.99
10 BRUNSWICK	58	148.90	253	171.47	161.12
11 BUNCOMBE	363	221.10	1360	210.15	175.61
12 BURKE	101	136.82	407	139.76	153.31
13 CABARRUS	134	150.23	605	174.14	161.60
14 CALDWELL	92	135.63	363	134.24	139.04
15 CAMDEN	8	140.72	49	212.98	183.70
16 CARTERET	98	222.80	348	205.61	188.84
17 CASWELL	23	107.83	111	132.96	127.50
18 CATAWBA	174	161.00	630	148.70	159.79
19 CHATHAM	53	153.21	205	151.28	135.06
20 CHEROKEE	37	191.28	164	215.34	152.53
21 CHOWAN	20	222.32	136	269.60	204.49
22 CLAY	15	214.16	50	184.34	172.26*
23 CLEVELAND	113	135.16	495	148.46	142.08
24 COLUMBUS	77	148.55	344	167.13	161.08
25 CRAVEN	111	150.51	432	150.13	189.85
26 CUMBERLAND	251	99.80	936	94.03	173.21
27 CURRITUCK	21	180.69	87	191.18	170.85
28 DARE	26	173.63	89	159.55	120.33
29 DAVIDSON	198	173.64	727	160.67	164.44
30 DAVIE	49	180.00	174	169.22	167.19
31 DUPLIN	69	166.86	314	191.67	170.62
32 DURHAM	287	183.92	1105	179.56	181.20
33 EDGECOMBE	109	193.13	403	179.22	175.35
34 FORSYTH	433	173.77	1626	165.53	162.32
35 FRANKLIN	55	178.83	214	176.66	149.82
36 GASTON	297	179.23	1101	168.69	176.33
37 GATES	16	173.27	68	190.52	163.21
38 GRAHAM	12	169.01	47	164.98	129.90
39 GRANVILLE	71	201.51	245	177.98	156.01
40 GREENE	32	198.14	102	159.43	171.84
41 GUILFORD	599	187.49	2282	179.67	180.54

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
CANCER CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	122	219,21	448	201.90	173.13
43 HARNETT	110	178,74	381	158.08	164.79
44 HAYWOOD	97	205,98	339	181.47	152.55
45 HENDERSON	123	198,89	515	215,92	171.28
46 HERTFORD	39	164,31	173	184,04	152.14
47 HOKE	20	90,61	90	107,94	141.86
48 HYDE	3	50,40	39	163,60	124.13
49 IREDELL	147	173,98	533	159,95	148.17
50 JACKSON	37	138,00	144	138,04	144.78
51 JOHNSTON	147	202,88	524	183,65	176.53
52 JONES	17	174,01	63	162,44	142.28
53 LEE	63	168,21	279	189,49	191.41
54 LENOIR	120	200,66	447	187,00	179.71
55 LINCOLN	60	139,19	250	147,26	153.82
56 MCDOWELL	59	163,17	227	160,46	147.98
57 MACON	52	240,67	216	259,27	183.00
58 MADISON	34	196,24	131	192,10	124.47
59 MARTIN	60	228,25	199	190,39	167.05
60 MECKLENBURG	681	162,89	2516	154,26	175.67
61 MITCHELL	29	202,03	117	202,69	133.26
62 MONTGOMERY	42	183,87	164	182,62	160.36
63 MOORE	120	232,06	461	226,93	174.79
64 NASH	111	160,58	471	173,24	165.88
65 NEW HANOVER	233	217,30	774	184,97	186.42
66 NORTHAMPTON	57	252,54	201	222,24	169.93
67 ONSLOW	101	88,90	363	80,07	178.49
68 ORANGE	96	122,33	359	116,03	155.03
69 PAMLICO	18	168,99	82	197,06	155.17
70 PASQUOTANK	53	186,09	228	200,70	179.75
71 PENDER	58	254,67	194	217,18	189.37
72 PERGUIMANS	24	250,96	99	259,12	181.49
73 PERSON	46	154,62	203	173,09	155.88
74 PITT	179	191,32	560	153,43	173.35
75 POLK	43	315,82	140	265,42	183.95
76 RANDOLPH	133	142,70	509	138,28	147.17
77 RICHMOND	88	193,13	335	184,23	166.64
78 ROBESON	177	170,65	617	150,79	172.01
79 ROCKINGHAM	156	186,10	589	175,44	159.78
80 ROWAN	213	210,43	751	188,34	156.40
81 RUTHERFORD	93	169,43	390	180,07	154.04
82 SAMPSON	104	208,92	385	193,99	170.66
83 SCOTLAND	37	111,34	176	135,06	151.98
84 STANLY	82	168,99	326	168,90	151.69
85 STOKES	59	170,16	196	145,93	155.41
86 SURRY	109	179,97	458	191,96	174.44
87 SWAIN	23	218,79	81	195,19	159.75
88 TRANSYLVANIA	49	201,02	164	172,71	135.88
89 TYRRELL	10	233,75	41	250,07	181.34
90 UNION	107	146,46	388	136,59	155.38
91 VANCE	57	153,52	279	189,57	174.55
92 WAKE	409	129,97	1650	135,29	172.73
93 WARREN	43	260,93	161	246,17	174.11
94 WASHINGTON	37	256,55	119	202,25	192.31
95 WATAUGA	42	126,38	163	126,43	131.41
96 WAYNE	146	149,53	558	143,25	157.80
97 WILKES	86	143,94	353	149,18	145.68
98 WILSON	119	187,31	447	177,11	172.93
99 YADKIN	43	146,78	172	149,50	127.40
100 YANCEY	26	171,00	102	169,69	106.82

* SEE SECTION I

TOTAL CANCER

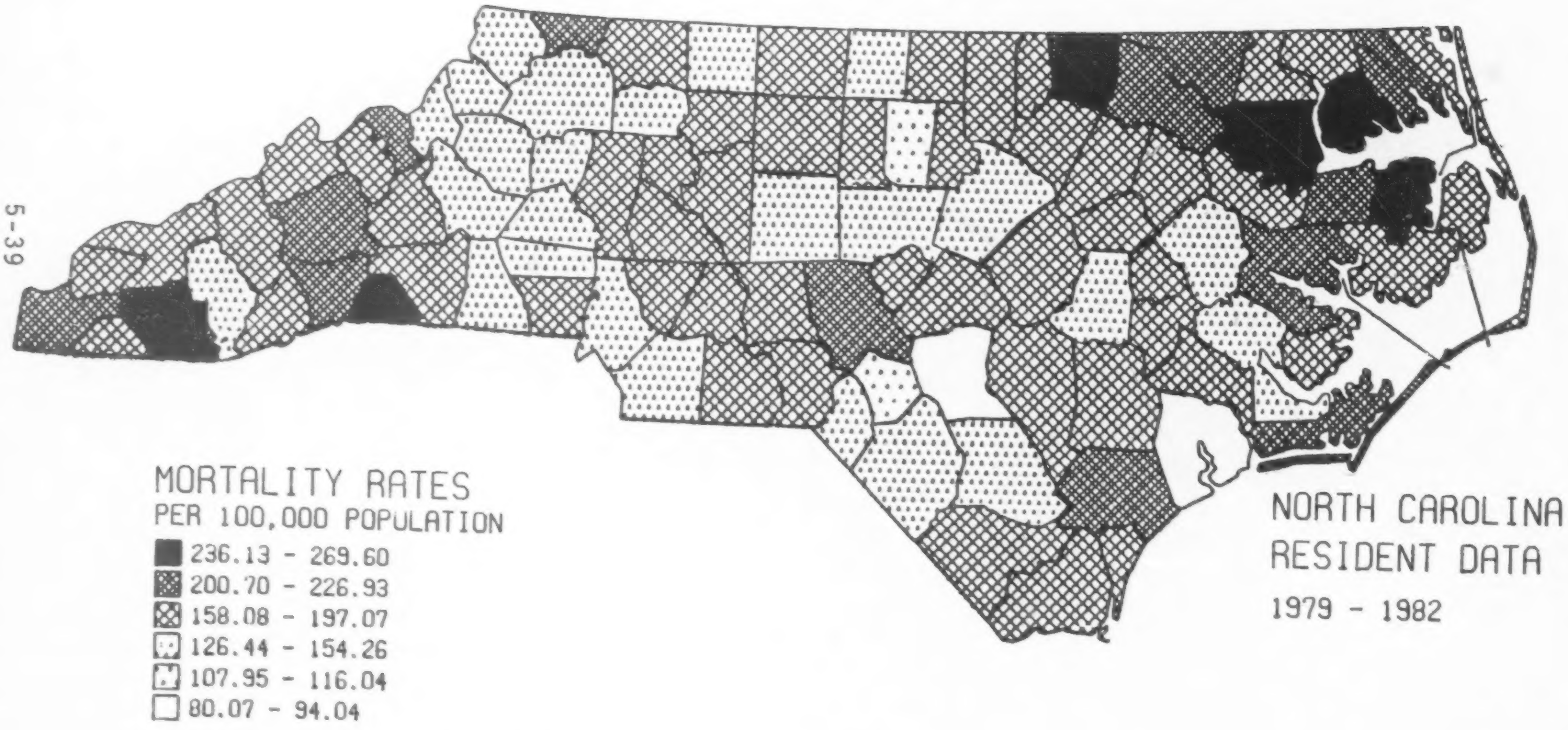

MORTALITY RATES
PER 100,000 POPULATION
■ 236.13 - 269.60
▩ 200.70 - 226.93
▨ 158.08 - 197.07
⁙ 126.44 - 154.26
⁛ 107.95 - 116.04
□ 80.07 - 94.04
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 9.A

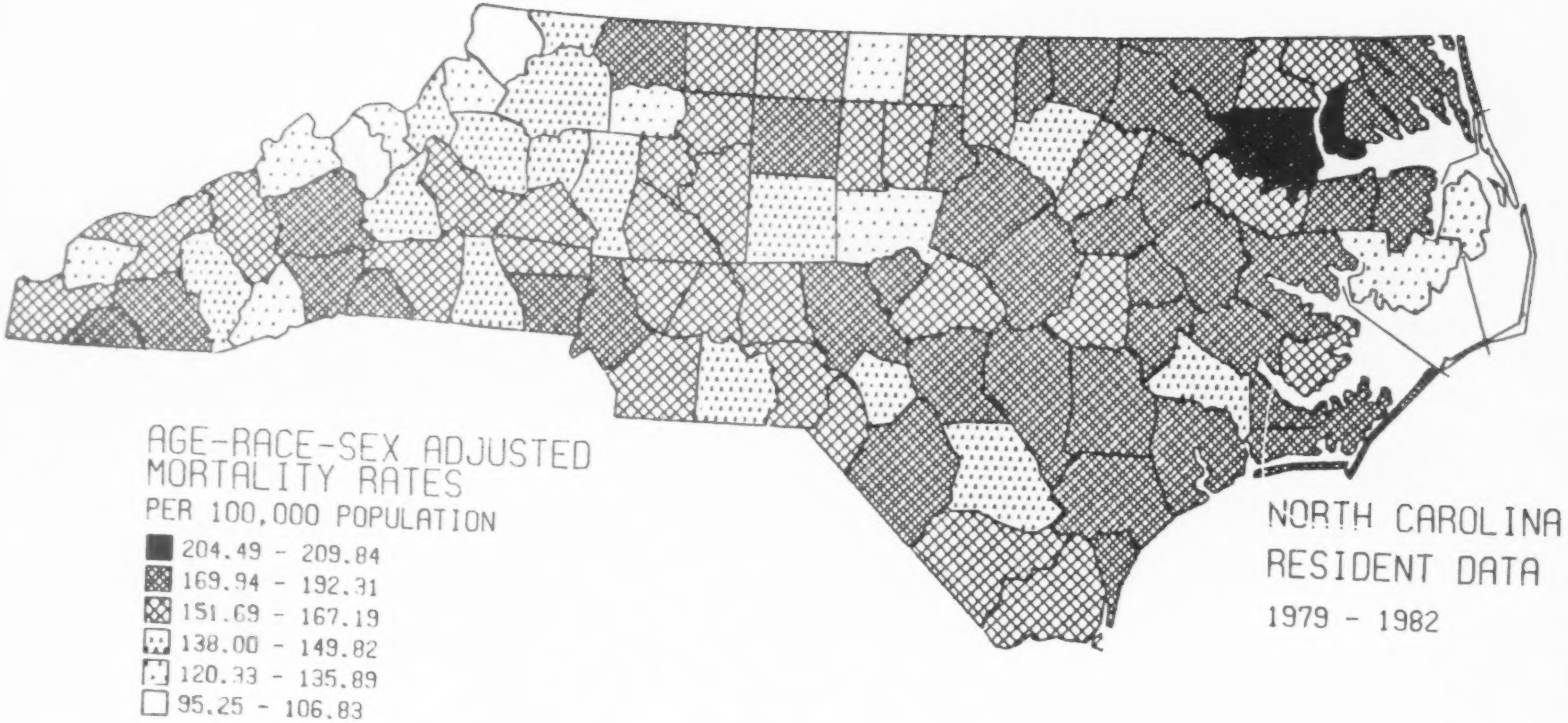

TOTAL CANCER
AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 204.49 - 209.84
▩ 169.94 - 192.31
▨ 151.69 - 167.19
⁘ 138.00 - 149.82
⁛ 120.33 - 135.89
☐ 95.25 - 106.83
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 9.B

TABLE 10

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

CANCER OF STOMACH

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
NORTH CAROLINA	287	4.76	1136	4.79	4.79
REGIONS					
DHR I WESTERN	108	5.23	407	5.02	5.11
DHR II N. CENTRAL	60	4.67	240	4.73	4.60
DHR III S. CENTRAL	53	3.80	226	4.13	4.47
DHR IV EASTERN	66	5.16	263	5.21	4.72
HSA I WESTERN	67	6.43	219	5.34	5.31
HSA II PIEDMONT	46	4.23	197	4.39	4.39
HSA III S. PIEDMONT	41	4.00	188	4.68	4.98
HSA IV CAPITAL	40	4.74	167	5.05	4.93
HSA V CARDINAL	39	4.24	153	4.22	4.49
HSA VI EASTERN	52	4.91	212	5.06	4.52
COUNTIES					
1 ALAMANCE	5	4.99	15	3.76	3.50
2 ALEXANDER	2	7.71	7	6.90	6.35
3 ALLEGHANY	1	10.13	2	5.15	2.95
4 ANSON	0	0.00	4	3.91	3.48
5 ASHE	3	13.08	5	5.56	2.96
6 AVERY	0	0.00	1	1.71	1.14
7 BEAUFORT	4	9.56	10	5.09	5.16
8 BERTIE	4	18.66	12	14.16	8.69
9 BLADEN	0	0.00	7	5.72	5.77
10 BRUNSWICK	1	2.56	5	3.38	3.29
11 BUNCOMBE	12	7.30	36	5.56	5.07
12 BURKE	1	1.35	4	1.37	1.99
13 CABARRUS	4	4.48	20	5.75	6.39
14 CALDWELL	4	5.89	19	7.02	6.20
15 CAMDEN	1	17.59	3	13.04	9.96
16 CARTERET	0	0.00	4	2.36	1.64
17 CASWELL	0	0.00	2	2.39	1.09
18 CATAWBA	2	1.85	16	3.77	6.11
19 CHATHAM	5	14.45	11	8.11	7.00
20 CHEROKEE	3	15.50	5	6.56	3.54
21 CHOWAN	0	0.00	6	11.89	7.17
22 CLAY	0	0.00	1	3.68	3.13
23 CLEVELAND	7	8.37	24	7.19	7.02
24 COLUMBUS	1	1.92	11	5.34	5.09
25 CRAVEN	2	2.71	14	4.86	6.05
26 CUMBERLAND	11	4.37	33	3.31	5.81
27 CURRITUCK	0	0.00	3	6.59	5.72
28 DARE	0	0.00	1	1.79	1.09
29 DAVIDSON	5	4.38	21	4.64	5.03
30 DAVIE	2	7.34	6	5.83	6.53
31 DUPLIN	2	4.83	11	6.71	4.70
32 DURHAM	7	4.48	31	5.03	4.17
33 EDGECOMBE	4	7.08	17	7.56	7.50
34 FORSYTH	15	6.01	52	5.29	5.04
35 FRANKLIN	0	0.00	3	2.47	1.22
36 GASTON	7	4.22	42	6.43	6.80
37 GATES	0	0.00	1	2.80	0.90
38 GRAHAM	1	14.08	1	3.51	2.61
39 GRANVILLE	2	5.67	8	5.81	3.20
40 GREENE	0	0.00	4	6.25	6.73
41 GUILFORD	14	4.38	55	4.33	4.35

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
CANCER OF STOMACH CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	5	8.98	15	6.76	4.60
43 HARNETT	3	4.87	10	4.14	4.38
44 HAYWOOD	5	10.61	11	5.88	3.29
45 HENDERSON	6	9.70	18	7.54	9.04
46 HERTFORD	0	0.00	3	3.19	4.77
47 HOKE	1	4.53	3	3.59	3.25
48 HYDE	0	0.00	0	0.00	0.00
49 IREDELL	2	2.36	15	4.50	3.87
50 JACKSON	3	11.18	7	6.71	5.38
51 JOHNSTON	6	8.28	19	6.65	6.37
52 JONES	0	0.00	1	2.57	4.42
53 LEE	3	8.01	14	9.50	9.96
54 LENOIR	0	0.00	7	2.92	2.14
55 LINCOLN	0	0.00	4	2.35	1.96
56 MCDOWELL	0	0.00	7	4.94	7.00
57 MACON	3	13.88	9	10.80	5.18
58 MADISON	1	5.77	3	4.39	2.65
59 MARTIN	5	19.02	10	9.56	6.14
60 MECKLENBURG	20	4.78	80	4.90	5.57
61 MITCHELL	1	6.96	3	5.19	3.24
62 MONTGOMERY	1	4.37	6	6.68	5.59
63 MOORE	0	0.00	10	4.92	4.16
64 NASH	3	4.34	16	5.88	4.94
65 NEW HANOVER	10	9.32	29	6.93	6.91
66 NORTHAMPTON	0	0.00	2	2.21	0.71
67 ONSLOW	0	0.00	3	0.66	1.70
68 ORANGE	2	2.54	11	3.55	4.52
69 PAMLICO	0	0.00	2	4.80	3.90
70 PASQUOTANK	1	3.51	9	7.92	6.27
71 PENDER	2	8.78	6	6.71	4.49
72 PERQUIMANS	0	0.00	2	5.23	3.23
73 PERSON	2	6.72	9	7.67	6.10
74 PITT	11	11.75	26	7.12	6.43
75 POLK	2	14.68	5	9.47	7.79
76 RANDOLPH	2	2.14	13	3.53	4.28
77 RICHMOND	2	4.38	7	3.84	3.64
78 ROBESON	4	3.85	13	3.17	3.06
79 ROCKINGHAM	2	2.35	17	5.06	4.60
80 ROWAN	5	4.93	15	3.76	3.01
81 RUTHERFORD	1	1.82	8	3.69	3.71
82 SAMPSON	2	4.01	6	3.02	2.76
83 SCOTLAND	1	3.00	3	2.30	3.49
84 STANLY	1	2.06	5	2.59	2.30
85 STOKES	2	5.76	2	1.48	1.32
86 SURRY	0	0.00	9	3.77	2.74
87 SWAIN	1	9.51	2	4.81	4.27
88 TRANSYLVANIA	1	4.10	2	2.10	1.40
89 TYRRELL	0	0.00	1	6.09	5.62
90 UNION	2	2.73	7	2.46	2.74
91 VANCE	4	10.77	15	10.19	6.45
92 WAKE	5	1.58	38	3.11	4.05
93 WARREN	4	24.27	8	12.23	6.49
94 WASHINGTON	1	6.93	3	5.09	5.33
95 WATAUGA	1	3.00	5	3.87	3.12
96 WAYNE	4	4.09	13	3.33	3.17
97 WILKES	3	5.02	10	4.22	3.44
98 WILSON	5	7.87	13	5.15	4.33
99 YADKIN	1	3.41	5	4.34	3.32
100 YANCEY	3	19.73	8	13.30	8.18

* SEE SECTION I

CANCER OF THE STOMACH

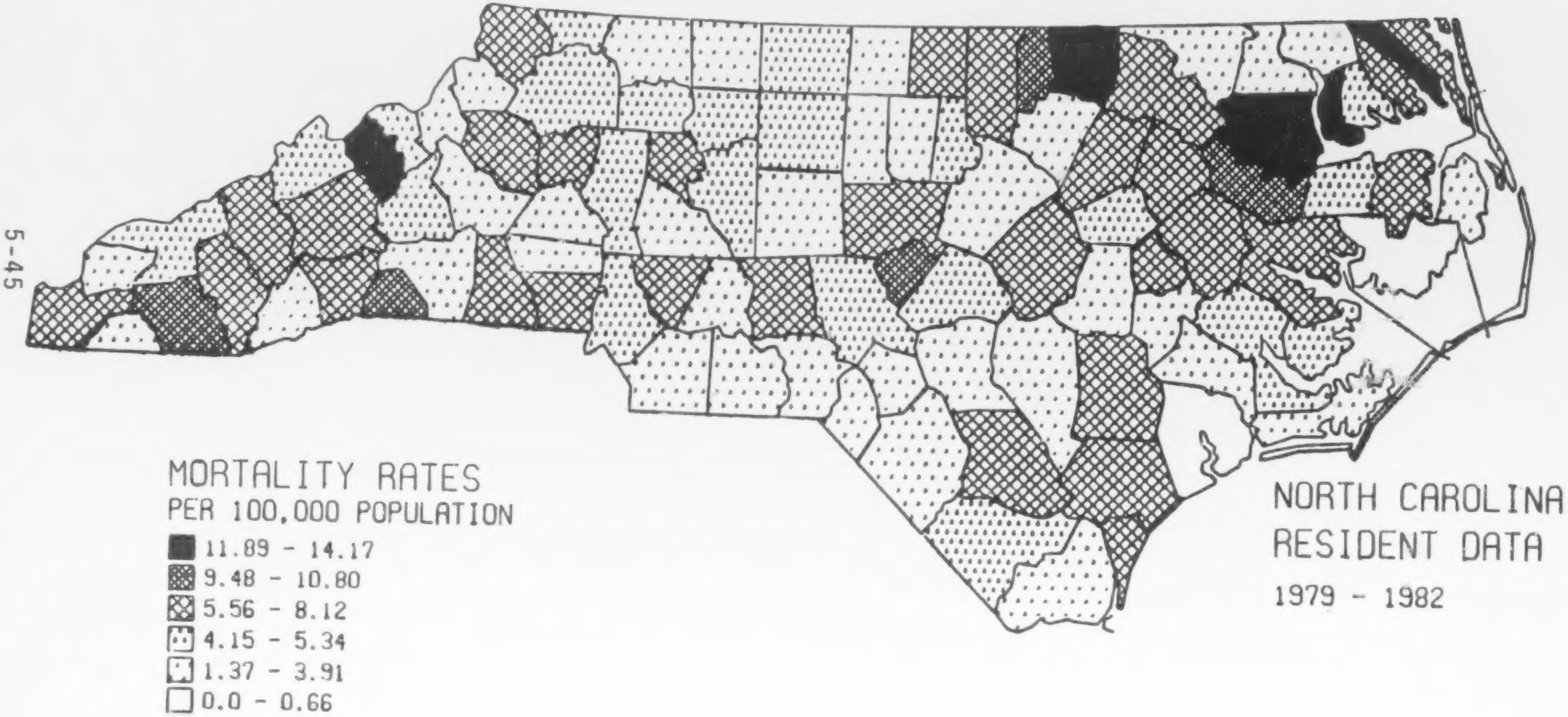

MORTALITY RATES
PER 100,000 POPULATION
■ 11.89 - 14.17
▩ 9.48 - 10.80
▨ 5.56 - 8.12
⁘ 4.15 - 5.34
⁛ 1.37 - 3.91
☐ 0.0 - 0.66
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 10.A

CANCER OF THE STOMACH

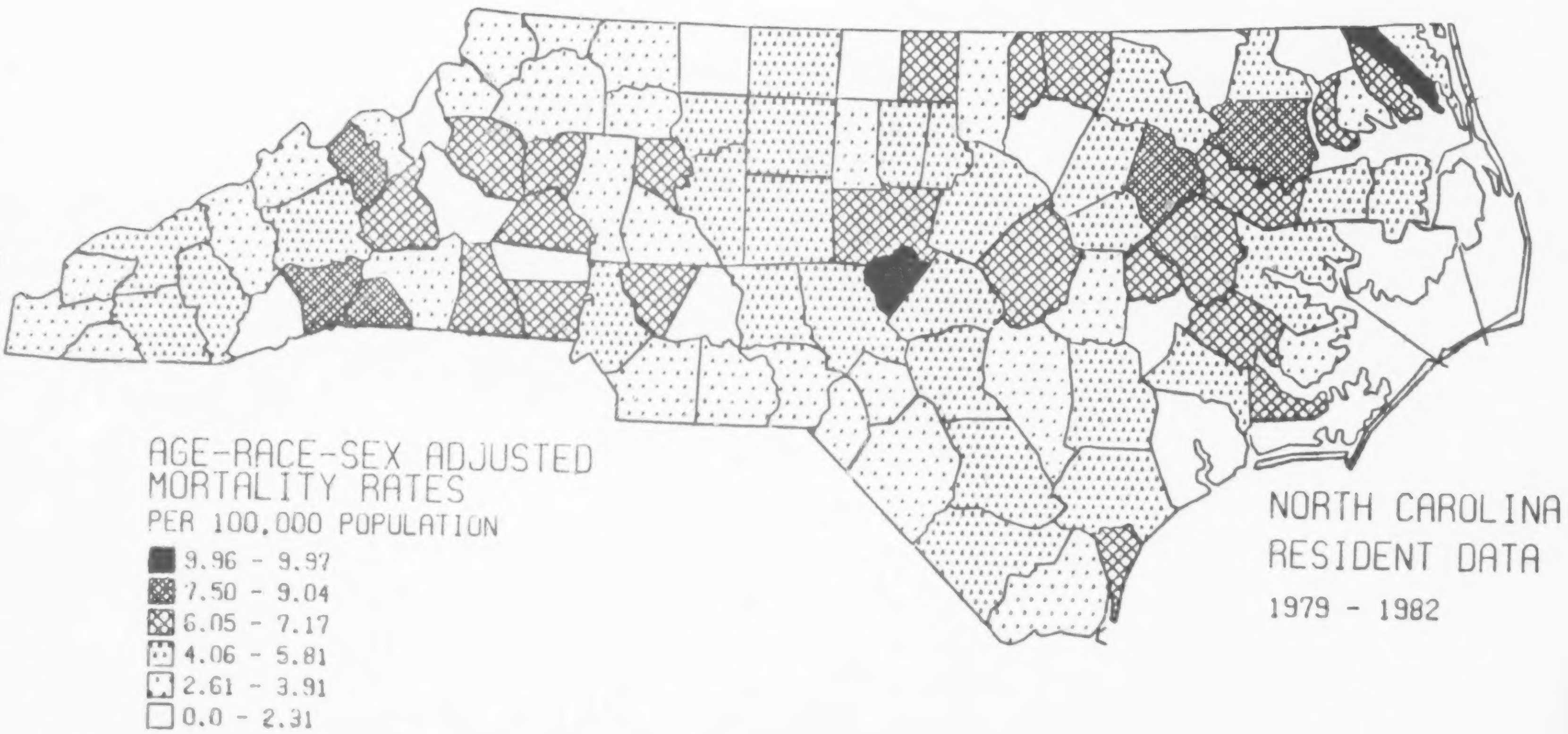

AGE-RACE-SEX ADJUSTED MORTALITY RATES
PER 100,000 POPULATION
■ 9.96 - 9.97
▩ 7.50 - 9.04
▨ 6.05 - 7.17
⁙ 4.06 - 5.81
⁚ 2.61 - 3.91
□ 0.0 - 2.31
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 10.B

TABLE 11

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

CANCER OF COLON, RECTUM AND ANUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	1120	18.60	4239	17.89	17.89
REGIONS					
DHR I WESTERN	410	19.85	1551	19.13	18.08
DHR II N. CENTRAL	259	20.18	935	18.44	17.62
DHR III S. CENTRAL	214	15.37	656	15.65	17.96
DHR IV EASTERN	237	18.53	897	17.78	18.24
HSA I WESTERN	213	20.45	797	19.44	16.85
HSA II PIEDMONT	226	19.92	833	18.58	18.07
HSA III S. PIEDMONT	197	19.25	754	18.80	19.22
HSA IV CAPITAL	142	16.84	536	16.23	17.42
HSA V CARDINAL	144	15.66	561	15.50	17.10
HSA VI EASTERN	198	18.72	758	18.12	18.82
COUNTIES					
1 ALAMANCE	21	20.97	79	19.83	17.54
2 ALEXANDER	3	11.56	10	9.86	13.46
3 ALLEGHANY	3	30.39	9	23.18	13.36
4 ANSON	3	11.69	19	18.57	12.83
5 ASHE	4	17.44	17	18.91	10.87
6 AVERY	2	13.43	3	5.13	3.88
7 BEAUFORT	8	19.12	40	24.39	21.25
8 BERTIE	6	27.99	28	33.05	31.35
9 BLADEN	6	19.47	17	13.90	13.69
10 BRUNSWICK	5	12.83	22	14.91	13.90
11 BUNCOMBE	40	24.36	147	22.71	17.60
12 BURKE	16	21.67	49	16.82	18.62
13 CABARRUS	20	22.42	72	20.72	18.83
14 CALDWELL	8	11.79	44	16.27	15.59
15 CAMDEN	1	17.59	4	17.38	16.81
16 CARTERET	10	22.73	32	18.90	18.37
17 CASWELL	1	4.68	10	11.97	12.91
18 CATAWBA	27	24.98	75	17.70	19.55
19 CHATHAM	5	14.45	24	17.71	15.86
20 CHEROKEE	3	15.50	11	14.44	8.68
21 CHOWAN	4	31.76	18	35.68	26.06
22 CLAY	3	42.83	8	29.49	15.84
23 CLEVELAND	18	21.53	66	19.79	18.60
24 COLUMBUS	2	3.85	21	10.20	10.57
25 CRAVEN	12	16.27	39	13.55	18.41
26 CUMBERLAND	22	8.74	97	9.74	20.16
27 CURRITUCK	4	34.41	10	21.97	21.04
28 DARE	3	20.03	14	25.09	21.97
29 DAVIDSON	21	18.41	83	18.34	17.91
30 DAVIE	8	29.38	24	23.34	24.24
31 DUPLIN	9	21.76	27	16.48	14.78
32 DURHAM	33	21.14	118	19.17	19.79
33 EDGECOMBE	15	26.57	53	23.57	21.25
34 FORSYTH	51	20.46	196	19.95	19.35
35 FRANKLIN	8	26.01	26	21.46	16.75
36 GASTON	29	17.50	117	17.92	19.07
37 GATES	5	54.14	11	30.82	28.20
38 GRAHAM	1	14.08	7	24.57	17.59
39 GRANVILLE	8	22.70	22	15.98	14.79
40 GREENE	3	18.57	6	9.37	12.09
41 GUILFORD	76	23.78	233	18.34	18.40

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
CANCER OF COLON, RECTUM AND ANUS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	8	14.37	42	18.92	16.32
43 HARNETT	15	24.37	41	17.01	18.21
44 HAYWOOD	10	21.23	38	20.34	21.87
45 HENDERSON	14	22.63	62	25.99	20.60
46 HERTFORD	4	16.85	25	26.59	23.85
47 HOKE	4	18.12	13	15.59	14.36
48 HYDE	0	0.00	3	12.58	12.25 *
49 IREDELL	13	15.38	59	17.70	16.04
50 JACKSON	3	11.18	8	7.66	8.94
51 JOHNSTON	16	22.08	61	21.38	20.29
52 JONES	2	20.47	6	15.47	14.93
53 LEE	10	26.70	33	22.41	22.87
54 LENOIR	14	23.41	36	15.06	14.69
55 LINCOLN	14	32.47	31	18.26	19.44
56 MCDOWELL	8	22.12	27	19.08	17.28
57 MACON	7	32.39	26	31.20	16.71
58 MADISON	2	11.54	13	19.06	11.82
59 MARTIN	2	7.60	20	19.13	18.75
60 MECKLENBURG	75	17.93	285	17.47	20.26
61 MITCHELL	1	6.96	12	20.78	12.01
62 MONTGOMERY	5	21.88	21	23.38	20.17
63 MOORE	17	32.87	62	30.52	21.73
64 NASH	18	26.04	61	22.43	22.53
65 NEW HANOVER	25	23.31	78	18.64	18.95
66 NORTHAMPTON	6	26.58	27	29.85	24.09
67 ONSLOW	14	12.32	36	7.94	19.23
68 ORANGE	7	8.91	40	12.92	17.34
69 PAMLICO	4	37.55	13	31.24	23.43
70 PASQUOTANK	3	10.53	23	20.24	17.89
71 PENDER	7	30.73	18	20.15	16.34
72 PERQUIMANS	4	41.82	11	29.79	22.61
73 PERSON	3	10.08	10	9.52	8.25
74 PITT	15	16.03	49	13.42	15.43
75 POLK	7	51.41	21	39.81	23.07
76 RANDOLPH	20	21.45	69	18.74	19.00
77 RICHMOND	6	13.16	39	21.44	18.71
78 ROBESON	10	9.64	52	12.70	11.81
79 ROCKINGHAM	13	15.31	58	17.27	15.67
80 ROWAN	27	26.67	108	27.08	22.10
81 RUTHERFORD	13	23.68	54	24.93	19.60
82 SAMPSON	14	28.12	42	21.16	18.27
83 SCOTLAND	3	9.02	19	14.58	15.06
84 STANLY	9	18.54	41	21.24	19.25
85 STOKES	5	14.42	16	11.91	17.15
86 SURRY	6	13.20	48	20.11	17.76
87 SWAIN	3	28.53	10	24.09	15.00
88 TRANSYLVANIA	4	16.41	15	15.79	16.02
89 TYRRELL	0	0.00	6	36.59	24.31
90 UNION	10	13.68	41	14.43	17.18
91 VANCE	6	16.16	26	17.66	14.31
92 WAKE	38	12.07	158	12.95	17.15
93 WARREN	8	48.54	18	27.52	22.82
94 WASHINGTON	4	27.73	15	25.49	21.32
95 WATAUGA	3	9.02	16	12.41	10.47
96 WAYNE	13	13.31	59	15.14	17.12
97 WILKES	8	13.39	37	15.63	15.64
98 WILSON	7	11.01	44	17.43	17.03
99 YADKIN	2	6.82	17	14.77	10.58
100 YANCEY	2	13.15	12	19.96	12.95

* SEE SECTION I

CANCER OF COLON, RECTUM, ETC.

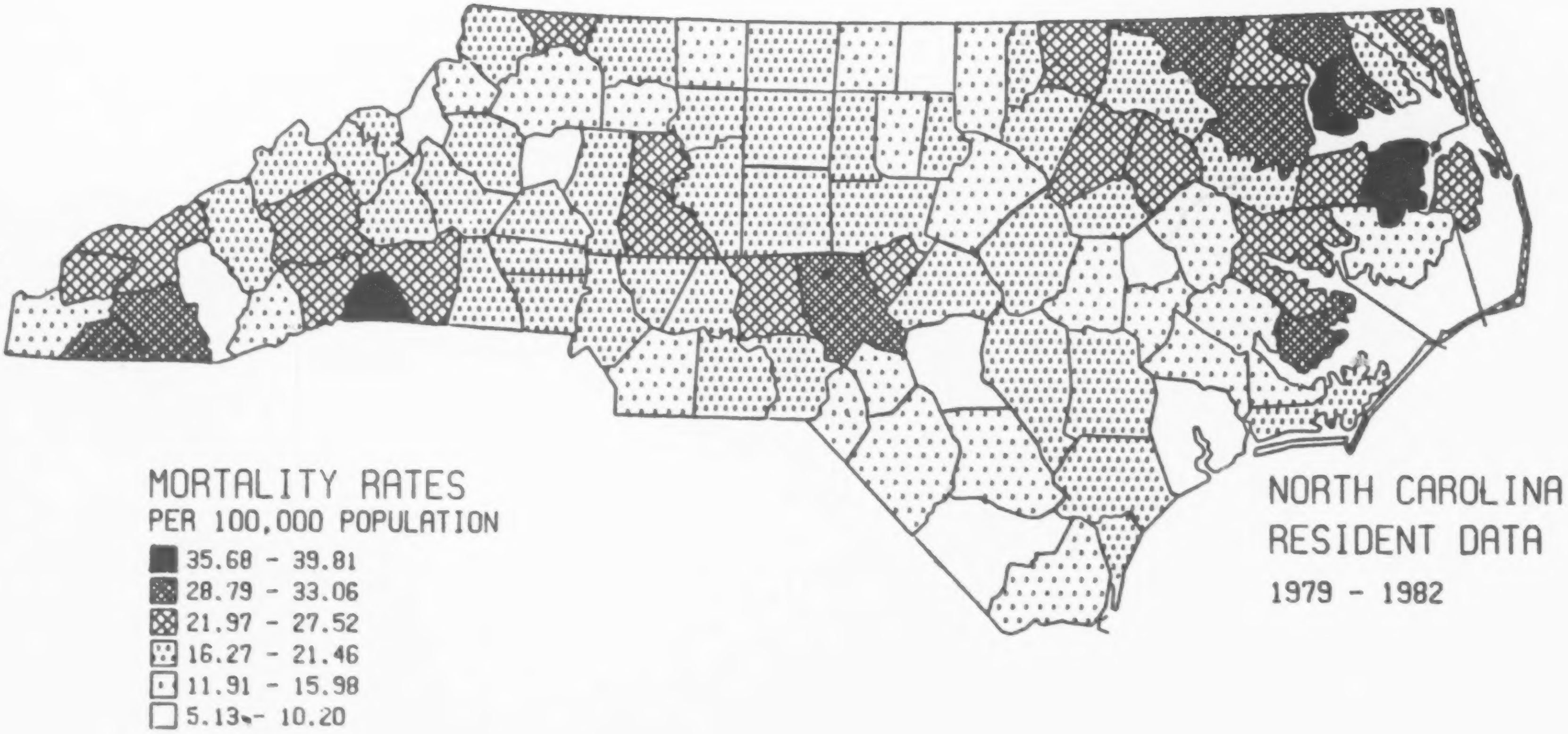

MORTALITY RATES
PER 100,000 POPULATION
■ 35.68 - 39.81
▦ 28.79 - 33.06
▨ 21.97 - 27.52
⁙ 16.27 - 21.46
⊡ 11.91 - 15.98
☐ 5.13 - 10.20
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 11.A

CANCER OF COLON, RECTUM, ETC.

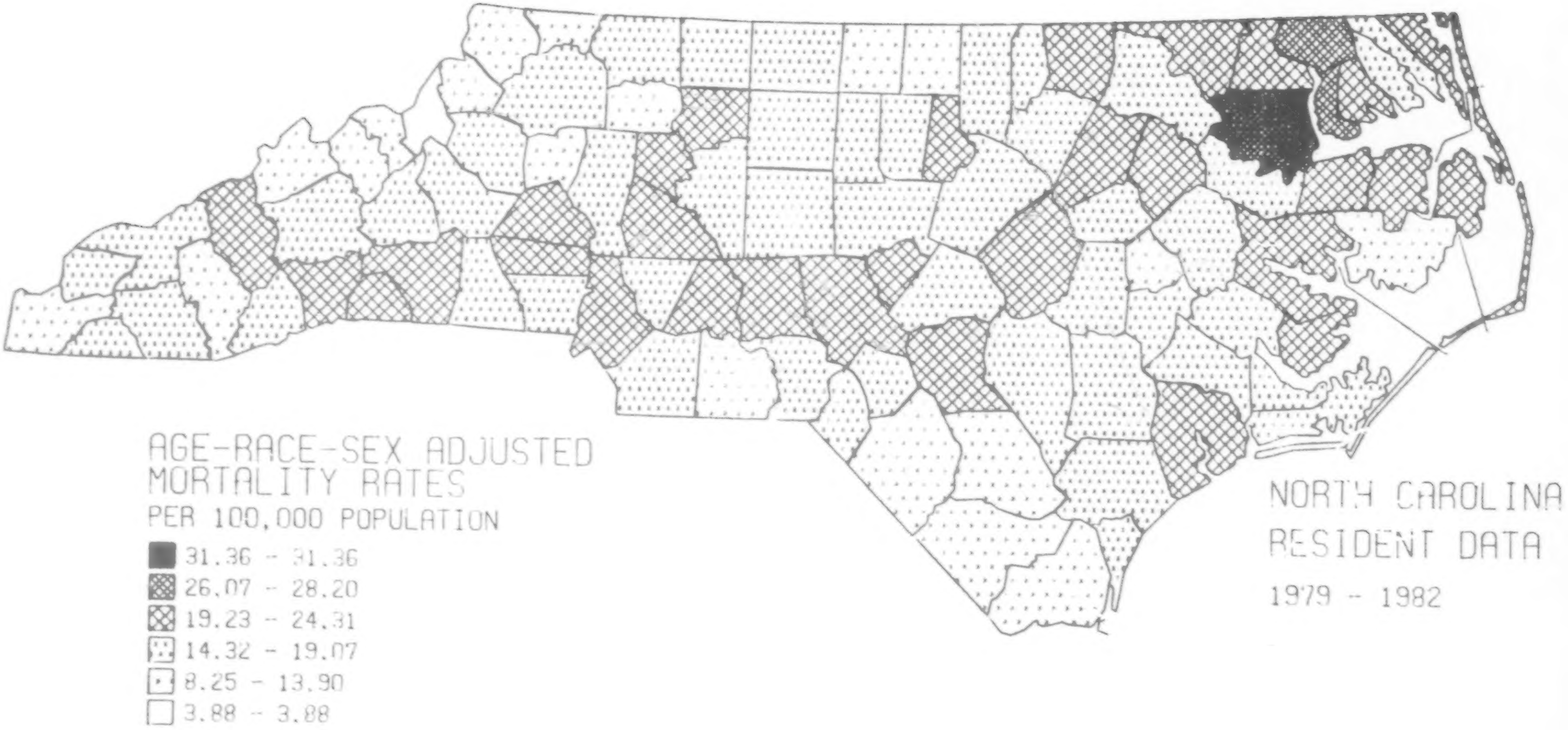

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 31.36 - 31.36
▩ 26.07 - 28.20
▨ 19.23 - 24.31
⁘ 14.32 - 19.07
⊡ 8.25 - 13.90
□ 3.88 - 3.88
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 11.B

TABLE 12

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

CANCER OF PANCREAS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	542	9.00	2108	8.89	8.89
REGIONS					
DHR I WESTERN	193	9.34	734	9.05	8.79
DHR II N. CENTRAL	106	8.25	476	9.38	9.00
DHR III S. CENTRAL	120	8.62	459	8.39	9.59
DHR IV EASTERN	123	9.62	439	8.70	8.70
HSA I WESTERN	93	8.93	379	9.24	8.28
HSA II PIEDMONT	96	8.46	425	9.48	9.33
HSA III S. PIEDMONT	100	9.77	355	8.85	9.16
HSA IV CAPITAL	67	7.94	267	8.08	8.55
HSA V CARDINAL	84	9.13	322	9.89	9.95
HSA VI EASTERN	102	9.64	360	8.60	8.66
COUNTIES					
1 ALAMANCE	12	11.98	40	10.04	9.02
2 ALEXANDER	1	3.85	8	7.89	9.90
3 ALLEGHANY	0	0.00	2	5.15	3.08
4 ANSON	5	19.48	12	11.73	9.79
5 ASHE	4	17.44	8	8.90	5.19
6 AVERY	0	0.00	4	6.84	5.38
7 BEAUFORT	7	16.73	19	11.58	10.14
8 BERTIE	1	4.66	6	7.08	5.49
9 BLADEN	2	6.49	11	6.99	8.74
10 BRUNSWICK	0	0.00	10	6.77	7.05
11 BUNCOMBE	20	12.18	71	10.97	9.02
12 BURKE	5	6.77	18	6.18	6.00
13 CABARRUS	6	6.72	26	7.48	7.07
14 CALDWELL	2	2.94	22	8.13	8.53
15 CAMDEN	1	17.59	5	21.73	17.45
16 CARTERET	7	15.91	17	10.04	7.70
17 CASWELL	0	0.00	5	5.98	5.05
18 CATAWBA	9	8.32	41	9.67	9.22
19 CHATHAM	2	5.78	10	7.37	6.85
20 CHEROKEE	2	10.33	12	15.75	10.35
21 CHOWAN	2	15.88	5	9.91	8.16
22 [illegible]Y	1	14.27	4	14.74	10.06
23 [illegible]VELAND	10	11.96	30	8.99	8.64
24 COLUMBUS	4	7.71	17	9.25	8.60
25 CRAVEN	6	8.13	21	7.29	9.39
26 CUMBERLAND	18	7.15	56	5.62	10.94
27 CURRITUCK	0	0.00	2	4.39	3.53
28 DARE	4	26.71	6	10.75	7.05
29 DAVIDSON	12	10.52	45	9.94	10.67
30 DAVIE	2	7.34	7	6.80	6.87
31 DUPLIN	5	12.09	14	8.54	7.10
32 DURHAM	20	12.81	57	9.26	9.46
33 EDGECOMBE	6	10.63	16	7.11	6.52
34 FORSYTH	23	9.23	87	8.85	8.70
35 FRANKLIN	3	9.75	8	6.60	4.89
36 GASTON	20	12.06	58	8.88	9.99
37 GATES	1	10.82	3	8.40	4.64
38 GRAHAM	0	0.00	4	14.04	8.71
39 GRANVILLE	3	8.51	13	9.44	9.15
40 GREENE	2	12.38	5	7.81	8.16
41 GUILFORD	19	5.94	124	9.76	9.81

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
CANCER OF PANCREAS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
42 HALIFAX	5	8.98	22	9.91	7.94
43 HARNETT	8	12.99	27	11.20	11.52
44 HAYWOOD	3	6.37	19	10.17	6.35
45 HENDERSON	5	8.08	23	9.64	7.26
46 HERTFORD	2	8.42	9	9.57	6.29
47 HOKE	0	0.00	4	4.79	5.23
48 HYDE	0	0.00	0	0.00	0.00
49 IREDELL	12	14.20	36	10.80	9.90
50 JACKSON	0	0.00	8	7.66	6.91
51 JOHNSTON	6	8.28	27	9.46	9.14
52 JONES	0	0.00	2	5.15	6.14
53 LEE	4	10.68	12	8.15	8.36
54 LENOIR	12	20.06	34	14.22	14.68
55 LINCOLN	2	4.63	16	9.42	8.53
56 MCDOWELL	3	8.29	15	10.60	7.97
57 MACON	5	23.14	9	10.80	5.24
58 MADISON	1	5.77	7	10.26	6.36
59 MARTIN	3	11.41	11	10.52	8.47
60 MECKLENBURG	38	9.08	139	8.52	9.74
61 MITCHELL	3	20.90	7	12.12	19.63 *
62 MONTGOMERY	3	13.13	17	18.93	15.79
63 MOORE	4	7.73	25	12.30	9.29
64 NASH	4	5.78	24	8.82	8.68
65 NEW HANOVER	15	13.98	46	10.99	10.95
66 NORTHAMPTON	3	13.29	10	11.05	10.23
67 ONSLOW	4	3.52	9	1.98	4.93
68 ORANGE	6	7.64	22	7.11	9.51
69 PAMLICO	1	9.38	8	19.22	14.94
70 PASQUOTANK	1	3.51	5	4.40	3.41
71 PENDER	2	8.78	6	6.71	7.06
72 PERQUIMANS	2	20.91	4	10.46	6.26
73 PERSON	2	6.72	14	11.93	11.06
74 PITT	14	14.96	36	9.86	11.44
75 POLK	2	14.68	5	9.47	6.12
76 RANDOLPH	9	9.65	32	8.69	10.31
77 RICHMOND	9	19.75	26	14.29	12.53
78 ROBESON	7	6.74	45	10.99	11.76
79 ROCKINGHAM	12	14.13	36	10.72	9.70
80 ROWAN	15	14.81	44	11.03	8.98
81 RUTHERFORD	8	14.57	26	12.00	11.93
82 SAMPSON	6	12.05	14	7.05	6.52
83 SCOTLAND	1	3.00	6	4.60	5.38
84 STANLY	3	6.18	21	10.88	8.66
85 STOKES	4	11.53	11	8.19	10.10
86 SURRY	2	3.30	29	12.15	8.53
87 SWAIN	0	0.00	0	0.00	0.00
88 TRANSYLVANIA	4	16.41	11	11.58	8.39
89 TYRRELL	0	0.00	5	30.49	15.15
90 UNION	4	5.47	15	5.28	5.96
91 VANCE	1	2.69	10	6.79	5.13
92 WAKE	19	6.03	89	7.21	9.22
93 WARREN	1	6.06	6	9.17	3.81
94 WASHINGTON	2	13.86	3	5.09	5.20
95 WATAUGA	1	3.00	8	6.20	5.51
96 WAYNE	3	3.07	34	8.72	9.33
97 WILKES	4	6.69	16	6.76	6.70
98 WILSON	4	6.29	25	9.90	9.09
99 YADKIN	1	3.41	9	7.82	5.40
100 YANCEY	0	0.00	1	1.66	0.89

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

CANCER OF THE PANCREAS

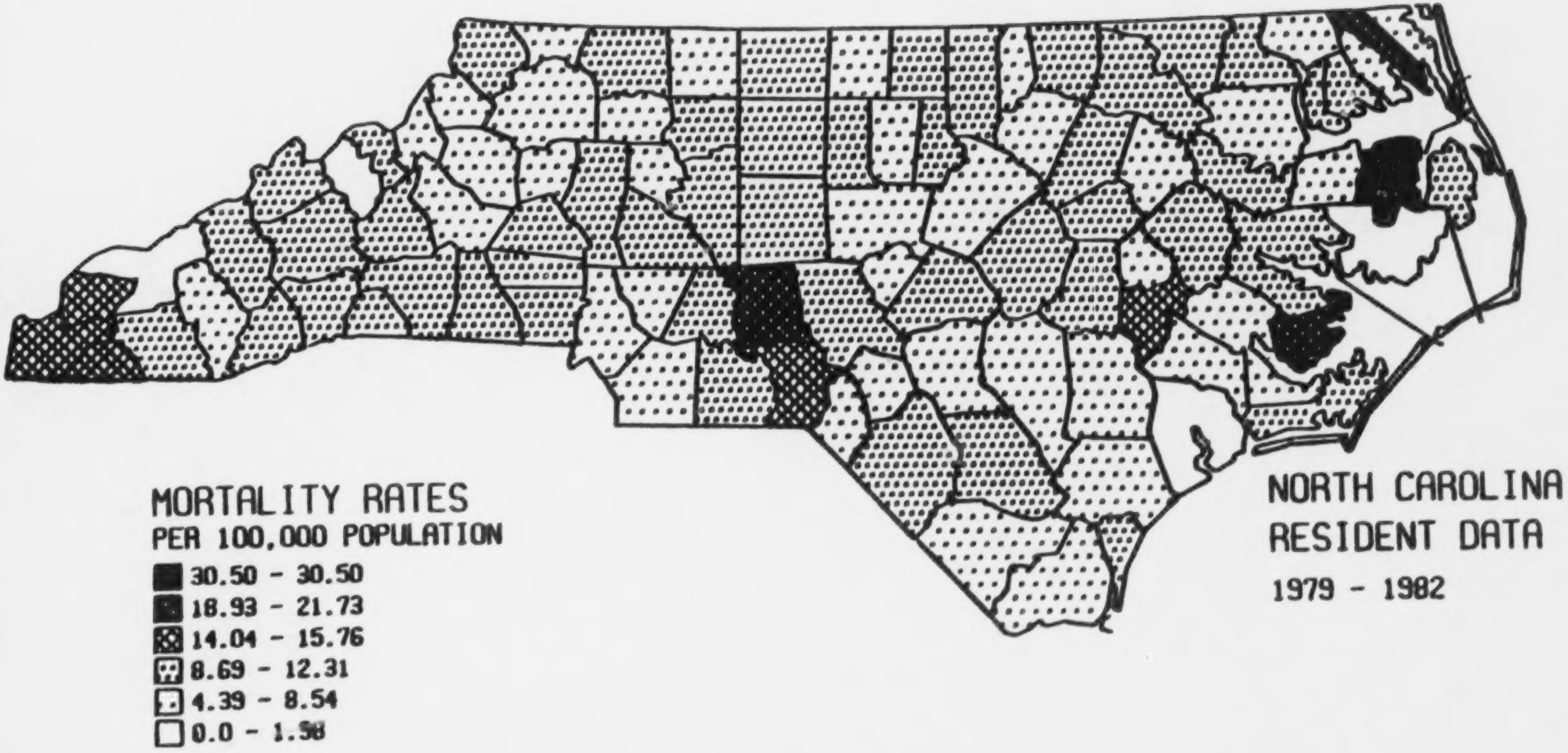

MORTALITY RATES
PER 100,000 POPULATION
■ 30.50 - 30.50
■ 18.93 - 21.73
▩ 14.04 - 15.76
▦ 8.69 - 12.31
▨ 4.39 - 8.54
□ 0.0 - 1.98
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 12.A

CANCER OF THE PANCREAS

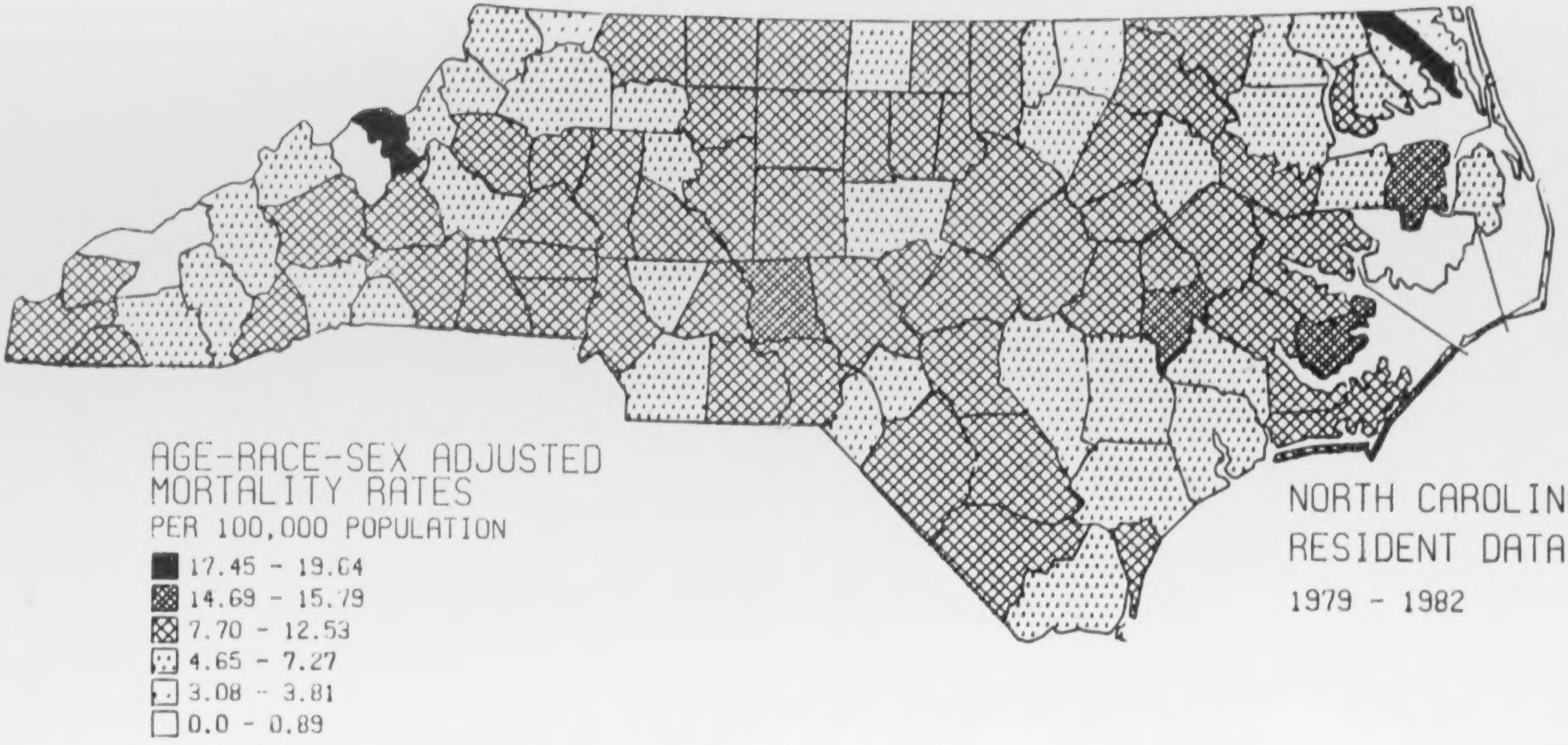

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
17.45 - 19.64
14.69 - 15.79
7.70 - 12.53
4.65 - 7.27
3.08 - 3.81
0.0 - 0.89
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 12.B

TABLE 13

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

CANCER OF TRACHEA, BRONCHUS AND LUNG

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
NORTH CAROLINA	2689	44.67	9854	41.59	41.59
REGIONS					
DHR I WESTERN	891	43.15	3246	40.03	38.14
DHR II N. CENTRAL	619	48.23	2219	43.76	41.76
DHR III S. CENTRAL	555	39.86	2047	37.42	43.88
DHR IV EASTERN	624	48.80	2342	46.43	47.80
HSA I WESTERN	445	42.73	1679	40.97	37.03
HSA II PIEDMONT	534	47.09	1925	42.95	41.39
HSA III S. PIEDMONT	446	43.58	1567	39.07	39.67
HSA IV CAPITAL	347	41.16	1331	40.32	44.47
HSA V CARDINAL	413	44.93	1434	39.63	44.42
HSA VI EASTERN	504	47.65	1918	45.86	48.19
COUNTIES					
1 ALAMANCE	48	47.93	196	49.20	42.53
2 ALEXANDER	8	30.84	37	36.51	38.40
3 ALLEGHANY	6	60.79	22	56.67	50.10*
4 ANSON	14	54.55	48	46.93	47.86
5 ASHE	6	26.16	31	34.49	22.16
6 AVERY	5	33.58	18	30.81	22.46
7 BEAUFORT	19	45.41	85	51.82	47.00
8 BERTIE	20	93.31	53	62.57	63.40
9 BLADEN	19	61.67	66	53.98	51.10
10 BRUNSWICK	15	38.50	71	48.12	41.88
11 BUNCOMBE	79	48.12	333	51.45	45.14
12 BURKE	26	35.22	101	34.68	37.58
13 CABARRUS	30	33.63	139	40.00	35.85
14 CALDWELL	26	38.33	95	35.13	34.61
15 CAMDEN	0	0.00	10	43.46	40.58
16 CARTERET	32	72.75	110	64.99	55.90
17 CASWELL	8	37.50	28	33.54	32.68
18 CATAWBA	57	52.74	163	38.47	41.74
19 CHATHAM	13	37.58	46	33.94	30.65
20 CHEROKEE	10	51.69	36	47.27	29.11
21 CHOWAN	9	71.46	37	73.34	54.99
22 CLAY	5	71.38	12	44.24	22.76
23 CLEVELAND	25	29.90	111	33.29	31.71
24 COLUMBUS	27	52.09	99	46.09	45.11
25 CRAVEN	30	40.67	130	45.17	58.62
26 CUMBERLAND	63	25.05	236	23.71	45.62
27 CURRITUCK	5	43.02	32	70.32	60.43
28 DARE	7	46.74	29	51.98	33.33
29 DAVIDSON	50	43.85	175	38.67	38.50
30 DAVIE	14	51.42	43	41.81	42.86
31 DUPLIN	15	36.27	87	53.10	48.52
32 DURHAM	69	44.21	261	42.41	45.69
33 EDGECOMBE	33	58.47	120	53.36	53.74
34 FORSYTH	118	47.35	384	39.09	39.08
35 FRANKLIN	15	48.77	58	47.88	45.60
36 GASTON	88	53.10	286	43.82	44.11
37 GATES	4	43.31	22	61.64	47.68
38 GRAHAM	3	42.25	14	49.14	36.52
39 GRANVILLE	23	65.27	60	43.58	39.07
40 GREENE	8	49.53	30	46.89	52.02
41 GUILFORD	152	47.57	599	47.16	47.80

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
CANCER OF TRACHEA, BRONCHUS AND LUNG CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	30	53.90	108	48.67	42.41
43 HARNETT	33	53.62	103	42.73	44.24
44 HAYWOOD	19	40.34	76	40.68	40.72
45 HENDERSON	31	50.12	116	48.63	43.26
46 HERTFORD	10	42.13	43	45.74	35.31
47 HOKE	8	36.24	24	28.78	43.61
48 HYDE	1	16.80	15	62.92	50.64
49 IREDELL	40	47.34	117	35.11	33.14
50 JACKSON	8	29.83	36	34.51	34.02
51 JOHNSTON	39	53.82	133	46.61	44.29
52 JONES	3	30.70	7	18.04	19.49
53 LEE	11	29.37	70	47.54	47.77
54 LENOIR	31	51.83	127	53.13	52.90
55 LINCOLN	9	20.87	59	34.75	33.65
56 MCDOWELL	12	33.18	49	34.63	37.20
57 MACON	16	74.05	47	56.41	42.54
58 MADISON	10	57.72	36	52.79	35.12
59 MARTIN	16	60.86	51	48.79	43.42
60 MECKLENBURG	176	42.09	631	38.68	44.29
61 MITCHELL	4	27.86	27	46.77	29.41
62 MONTGOMERY	12	52.53	40	44.54	39.24
63 MOORE	25	48.34	121	59.56	44.74
64 NASH	31	44.84	114	41.93	41.60
65 NEW HANOVER	64	59.68	213	50.90	51.73
66 NORTHAMPTON	16	70.89	52	57.49	48.93
67 ONSLOW	22	19.36	97	21.39	46.36
68 ORANGE	21	26.75	99	31.99	43.61
69 PAMLICO	6	56.33	21	50.46	41.72
70 PASQUOTANK	12	42.13	48	42.25	40.64
71 PENDER	14	61.47	41	45.90	37.99
72 PERQUIMANS	6	62.74	32	83.75	60.21
73 PERSON	11	36.97	49	41.78	38.88
74 PITT	44	47.02	146	40.00	46.84
75 POLK	13	95.48	33	62.56	38.13
76 RANDOLPH	32	34.33	127	34.50	33.72
77 RICHMOND	29	63.64	87	47.84	43.37
78 ROBESON	48	46.27	140	34.21	43.19
79 ROCKINGHAM	49	57.71	151	44.97	40.64
80 ROWAN	54	53.34	173	43.38	35.16
81 RUTHERFORD	22	40.08	77	35.55	29.47
82 SAMPSON	29	58.25	101	50.89	45.30
83 SCOTLAND	13	39.12	44	33.76	39.27
84 STANLY	17	35.03	65	33.67	29.03
85 STOKES	18	51.91	58	43.18	45.55
86 SURRY	33	54.48	126	52.81	45.67
87 SWAIN	4	38.05	19	45.78	36.93
88 TRANSYLVANIA	15	61.53	49	51.60	40.68
89 TYRRELL	5	116.87	11	67.09	50.37
90 UNION	32	43.80	97	34.14	38.54
91 VANCE	23	61.94	85	57.75	58.55
92 WAKE	109	34.63	428	35.09	45.84
93 WARREN	13	78.88	42	64.21	51.97
94 WASHINGTON	13	90.14	38	64.58	62.80
95 WATAUGA	11	33.10	45	34.90	42.98
96 WAYNE	37	37.89	127	32.60	38.18
97 WILKES	14	23.43	70	29.58	26.44
98 WILSON	39	61.38	136	53.88	55.69
99 YADKIN	12	40.96	38	33.03	32.34
100 YANCEY	10	65.77	26	43.25	28.09

* SEE SECTION I

CANCER OF TRACHEA, BRONCHUS AND LUNG

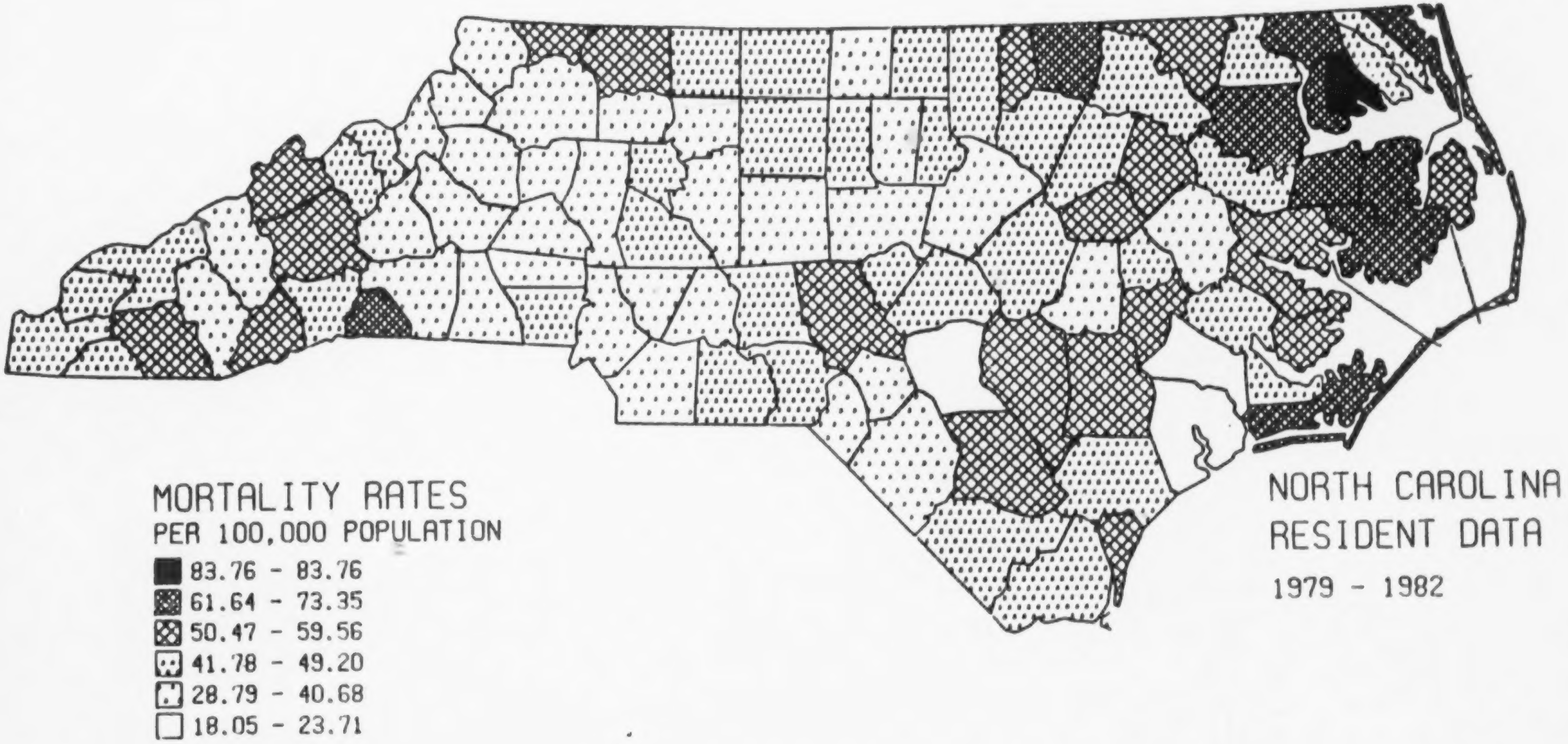

MORTALITY RATES
PER 100,000 POPULATION
■ 83.76 - 83.76
▩ 61.64 - 73.35
▨ 50.47 - 59.56
⁙ 41.78 - 49.20
⁚ 28.79 - 40.68
□ 18.05 - 23.71
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 13.A

CANCER OF TRACHEA, BRONCHUS AND LUNG

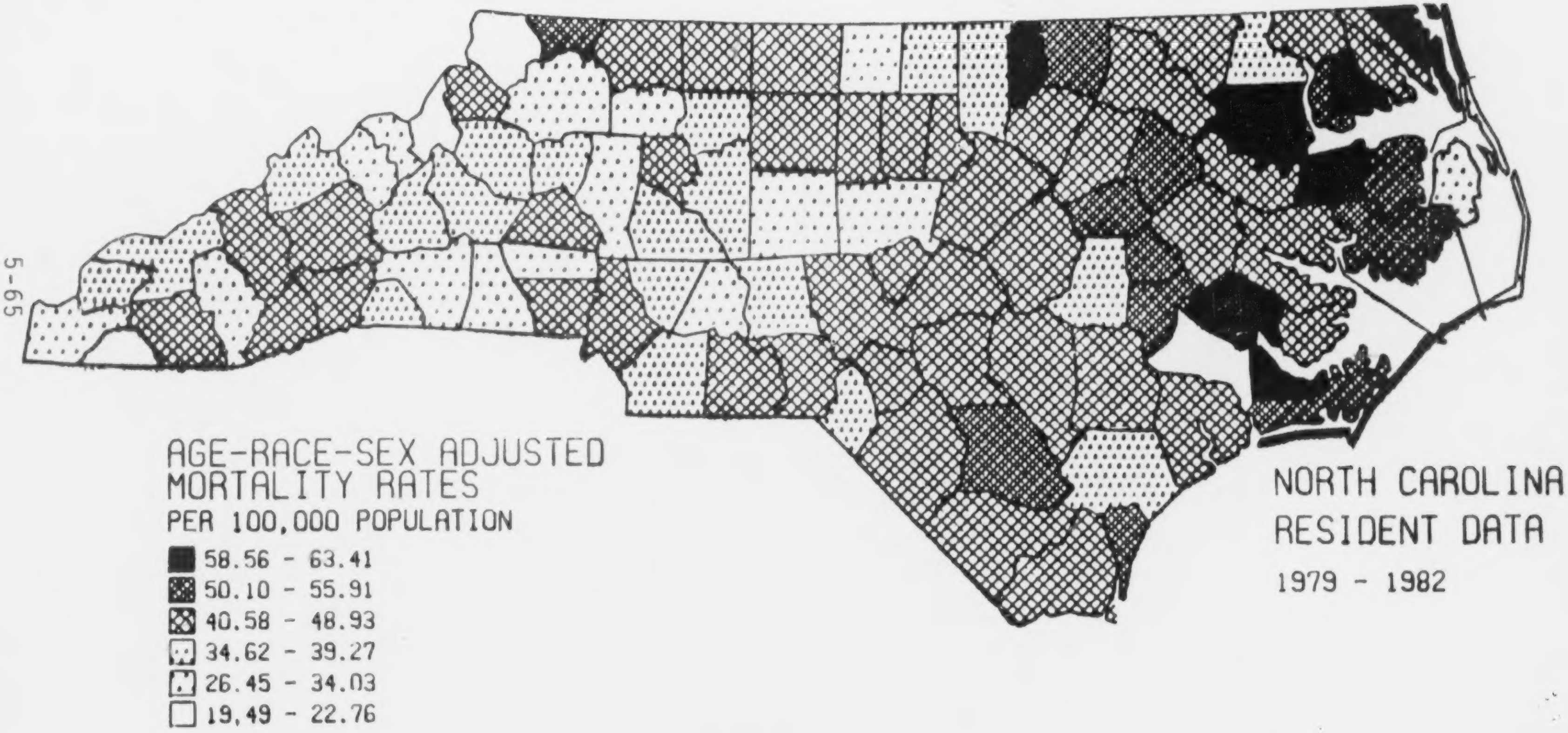

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 58.56 - 63.41
▩ 50.10 - 55.91
▨ 40.58 - 48.93
⛆ 34.62 - 39.27
⁘ 26.45 - 34.03
☐ 19.49 - 22.76
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 13.B

TABLE 14

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

CANCER OF FEMALE BREAST

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	809	26.13	3137	25.73	25.73
REGIONS					
DHR I WESTERN	306	28.66	1125	26.82	25.31
DHR II N. CENTRAL	177	26.49	713	26.99	26.00
DHR III S. CENTRAL	168	23.65	648	23.22	26.05
DHR IV EASTERN	158	24.31	651	25.40	25.65
HSA I WESTERN	149	27.73	587	27.76	24.44
HSA II PIEDMONT	154	26.05	619	26.48	25.85
HSA III S. PIEDMONT	157	29.59	538	25.87	25.80
HSA IV CAPITAL	113	25.92	445	26.04	27.74
HSA V CARDINAL	109	23.40	401	21.89	24.07
HSA VI EASTERN	127	23.72	547	25.84	26.24
COUNTIES					
1 ALAMANCE	18	34.23	77	36.85	32.33
2 ALEXANDER	0	0.00	10	19.59	18.03
3 ALLEGHANY	0	0.00	4	19.95	11.38
4 ANSON	4	29.37	11	20.27	17.25
5 ASHE	6	51.05	15	32.58	22.07
6 AVERY	2	26.82	10	34.25	26.55
7 BEAUFORT	4	18.24	19	22.08	20.95
8 BERTIE	3	26.56	16	35.81	43.43
9 BLADEN	5	31.45	8	12.68	12.33
10 BRUNSWICK	7	35.36	22	29.36	29.40
11 BUNCOMBE	26	30.12	106	31.14	26.80
12 BURKE	7	18.51	32	21.45	19.53
13 CABARRUS	15	32.38	57	31.57	28.64
14 CALDWELL	9	25.98	21	15.20	19.47
15 CAMDEN	2	68.72	3	25.38	22.34
16 CARTERET	3	13.58	26	30.57	24.88
17 CASWELL	3	27.86	12	28.41	26.67
18 CATAWBA	11	19.72	54	24.70	23.39
19 CHATHAM	2	11.37	12	17.40	16.12
20 CHEROKEE	2	19.94	17	43.08	29.27
21 CHOWAN	2	29.87	11	41.12	35.38
22 CLAY	0	0.00	6	43.83	30.22
23 CLEVELAND	10	23.04	40	23.12	21.65
24 COLUMBUS	5	18.56	21	19.62	18.38
25 CRAVEN	7	19.50	29	20.72	23.98
26 CUMBERLAND	22	18.36	84	17.80	26.40
27 CURRITUCK	0	0.00	8	35.95	34.25
28 DARE	1	13.33	4	14.29	10.37
29 DAVIDSON	19	32.52	67	28.91	29.17
30 DAVIE	1	7.25	12	22.99	26.56
31 DUPLIN	5	23.23	24	28.14	25.73
32 DURHAM	25	30.09	104	31.73	32.51
33 EDGECOMBE	7	23.27	27	22.54	25.08
34 FORSYTH	31	23.58	137	26.42	25.52
35 FRANKLIN	8	50.19	21	33.42	27.19
36 GASTON	22	25.47	80	23.53	23.20
37 GATES	2	43.40	7	39.19	40.36
38 GRAHAM	0	0.00	0	0.00	0.00
39 GRANVILLE	7	39.59	26	37.55	32.12
40 GREENE	2	24.23	6	18.33	20.37
41 GUILFORD	47	27.92	182	27.16	27.34

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
CANCER OF FEMALE BREAST CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	7	24.22	31	26.85	24.87
43 HARNETT	5	15.88	23	18.67	18.90
44 HAYWOOD	9	37.02	30	31.13	20.84
45 HENDERSON	13	40.38	44	35.42	28.94
46 HERTFORD	2	16.20	9	18.38	17.67
47 HOKE	0	0.00	5	11.81	18.00
48 HYDE	1	32.84	3	24.54	18.85
49 IREDELL	11	25.20	43	24.96	23.25
50 JACKSON	3	21.89	14	26.32	31.41
51 JOHNSTON	11	29.29	37	25.00	23.35
52 JONES	1	19.30	6	29.25	28.07
53 LEE	5	25.60	18	23.43	23.08
54 LENOIR	7	22.18	34	26.94	27.13
55 LINCOLN	3	13.64	18	20.79	18.01
56 MCDOWELL	5	26.87	24	32.96	31.53
57 MACON	4	35.96	22	51.35	29.10
58 MADISON	3	34.02	9	25.88	18.96
59 MARTIN	4	28.96	18	32.76	29.85
60 MECKLENBURG	63	28.96	230	27.06	29.50
61 MITCHELL	4	54.40	14	47.31	31.63
62 MONTGOMERY	1	8.59	12	26.17	22.41
63 MOORE	13	48.64	45	42.80	35.69
64 NASH	7	19.32	41	28.75	27.41
65 NEW HANOVER	16	28.53	48	21.93	21.87
66 NORTHAMPTON	4	34.92	11	23.94	20.51
67 ONSLOW	7	15.08	32	17.38	29.47
68 ORANGE	9	21.96	27	16.72	22.97
69 PAMLICO	1	18.09	7	32.45	27.06
70 PASQUOTANK	7	47.37	23	38.99	35.78
71 PENDER	3	25.86	13	28.55	25.91
72 PERQUIMANS	3	60.12	7	35.11	31.72
73 PERSON	2	12.99	13	21.42	19.99
74 PITT	19	38.45	51	26.44	30.18
75 POLK	3	41.96	10	36.03	26.31
76 RANDOLPH	9	18.83	32	16.96	17.99
77 RICHMOND	5	21.07	20	21.10	19.78
78 ROBESON	15	27.70	45	21.04	28.21
79 ROCKINGHAM	7	15.86	43	24.61	22.18
80 ROWAN	20	38.30	55	26.73	22.75
81 RUTHERFORD	7	24.44	36	31.85	26.42
82 SAMPSON	6	23.26	26	25.27	22.57
83 SCOTLAND	2	11.53	18	26.45	26.99
84 STANLY	11	43.80	27	27.04	23.55
85 STOKES	8	45.24	16	23.37	20.83
86 SURRY	6	19.13	30	24.27	29.54
87 SWAIN	2	36.67	7	32.58	25.40
88 TRANSYLVANIA	7	56.56	13	26.98	19.68
89 TYRRELL	0	0.00	3	34.64	36.40
90 UNION	12	32.19	28	19.33	22.36
91 VANCE	4	20.63	21	27.28	26.14
92 WAKE	38	23.72	153	24.61	29.17
93 WARREN	2	23.34	13	38.15	40.61
94 WASHINGTON	0	0.00	5	16.54	15.35
95 WATAUGA	4	23.59	9	13.65	12.88
96 WAYNE	10	19.93	52	25.99	25.42
97 WILKES	7	23.00	28	23.24	22.06
98 WILSON	9	26.82	34	25.50	23.78
99 YADKIN	5	33.55	11	18.76	13.78
100 YANCEY	5	64.30	12	39.04	26.54

* SEE SECTION I

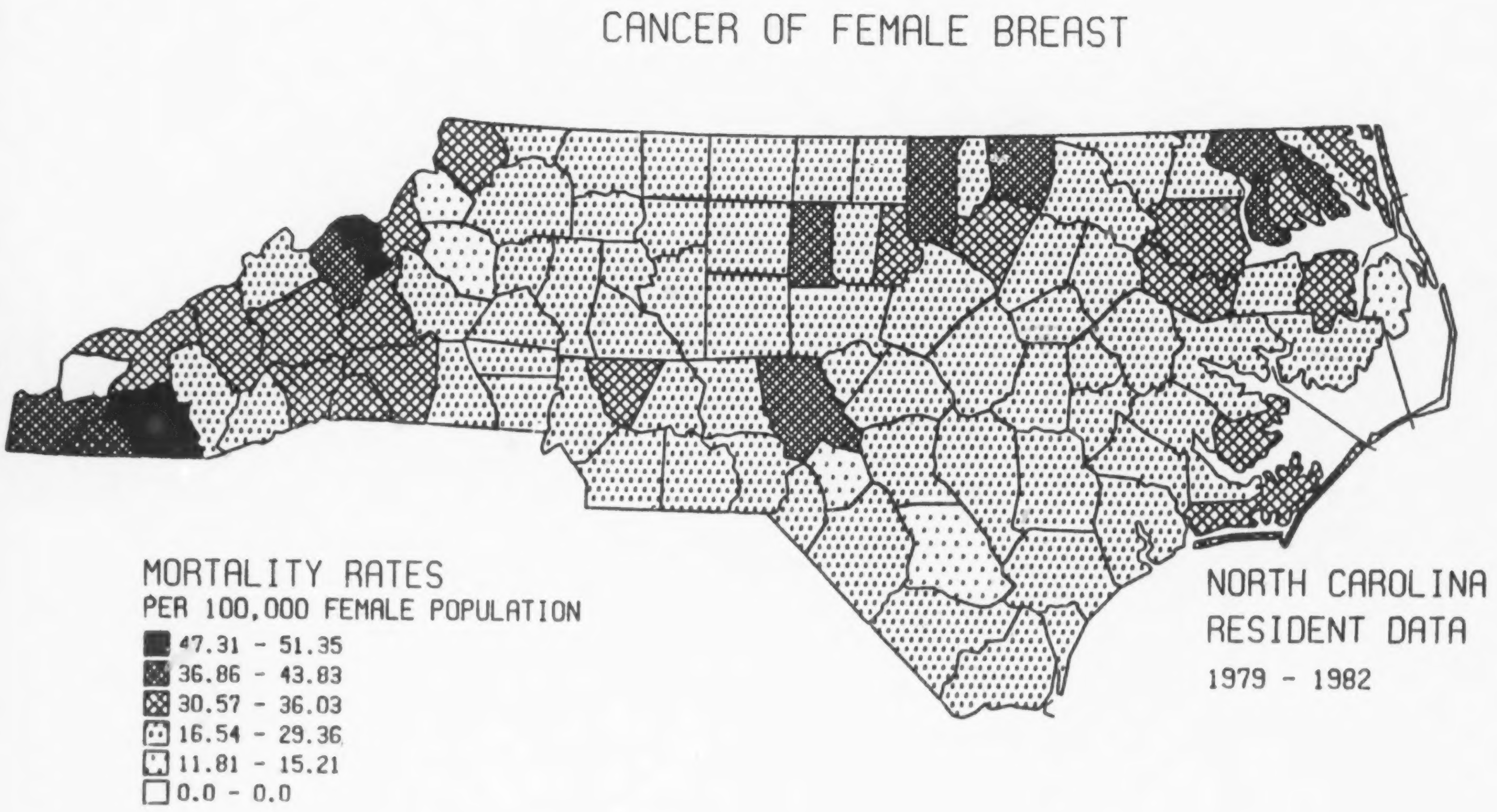

CANCER OF FEMALE BREAST
MORTALITY RATES
PER 100,000 FEMALE POPULATION
47.31 - 51.35
36.86 - 43.83
30.57 - 36.03
16.54 - 29.36
11.81 - 15.21
0.0 - 0.0
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 14.A

CANCER OF FEMALE BREAST

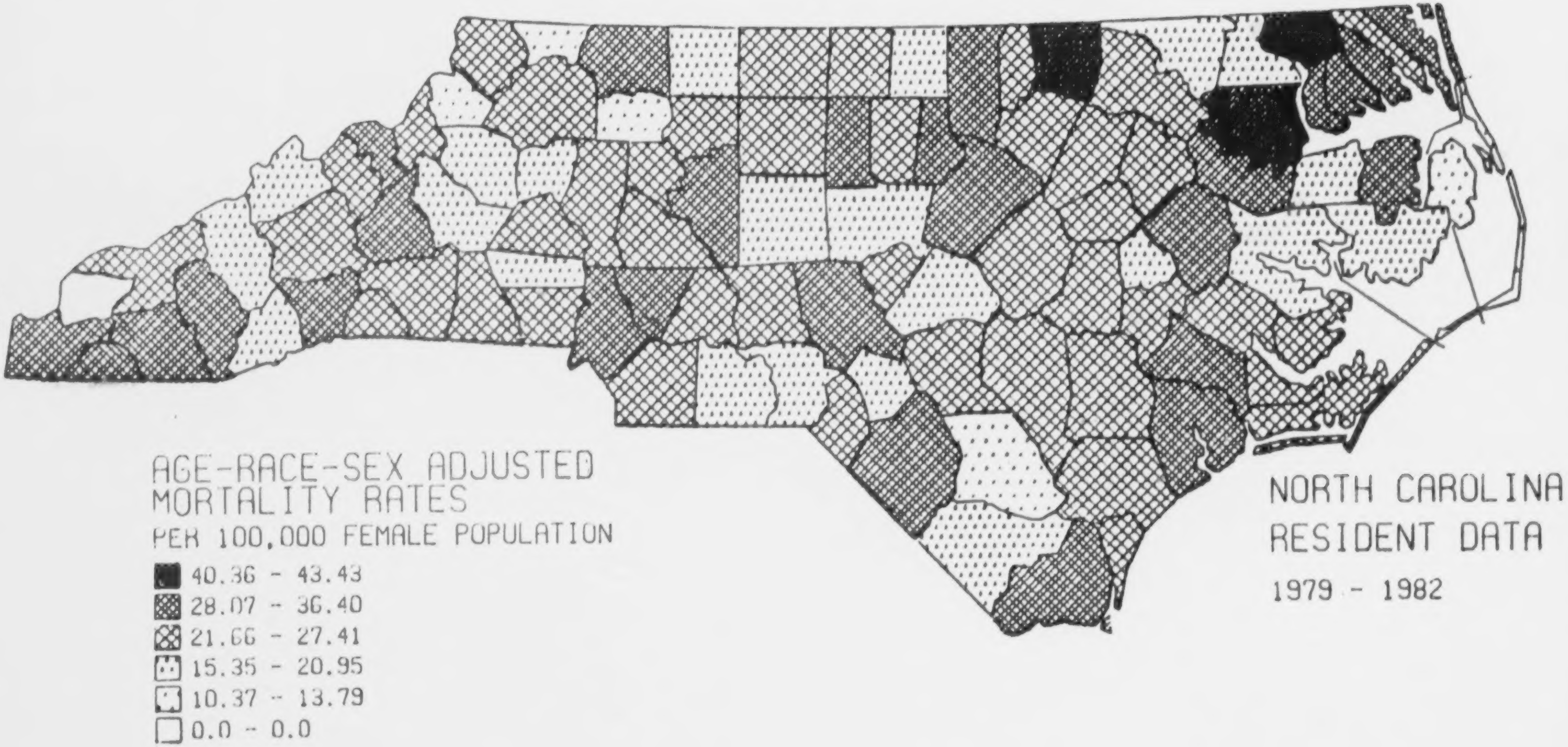

AGE-RACE-SEX ADJUSTED MORTALITY RATES
PER 100,000 FEMALE POPULATION
■ 40.36 - 43.43
▩ 28.07 - 36.40
▦ 21.66 - 27.41
⁙ 15.35 - 20.95
⁛ 10.37 - 13.79
□ 0.0 - 0.0
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 14.B

TABLE 15

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

CANCER OF CERVIX UTERI

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	154	4.97	602	4.93	4.93
REGIONS					
DHR I WESTERN	51	4.77	186	4.43	4.83
DHR II N. CENTRAL	36	5.38	131	4.95	4.90
DHR III S. CENTRAL	30	4.22	121	4.33	4.19
DHR IV EASTERN	37	5.69	164	6.39	5.60
HSA I WESTERN	33	6.14	107	5.06	5.44
HSA II PIEDMONT	34	5.75	115	4.91	5.15
HSA III S. PIEDMONT	18	3.39	79	3.79	4.09
HSA IV CAPITAL	14	3.21	70	4.09	3.85
HSA V CARDINAL	20	4.29	83	4.53	4.27
HSA VI EASTERN	35	6.53	148	6.99	6.06
COUNTIES					
1 ALAMANCE	3	5.70	6	2.87	2.96
2 ALEXANDER	0	0.00	2	3.91	2.88
3 ALLEGHANY	0	0.00	0	0.00	0.00
4 ANSON	0	0.00	3	5.52	4.29
5 ASHE	0	0.00	0	0.00	0.00
6 AVERY	0	0.00	0	0.00	0.00
7 BEAUFORT	2	9.12	6	6.97	6.98
8 BERTIE	2	17.71	6	13.43	9.74
9 BLADEN	1	6.29	5	7.92	5.13
10 BRUNSWICK	1	5.05	5	6.67	6.49
11 BUNCOMBE	9	10.42	22	6.46	5.95
12 BURKE	2	5.29	8	5.36	6.09
13 CABARRUS	1	2.15	5	2.76	2.67
14 CALDWELL	2	5.77	5	3.62	4.93
15 CAMDEN	1	34.36	1	8.46	8.62
16 CARTERET	3	13.58	10	11.75	14.96
17 CASWELL	1	9.28	2	4.73	2.53
18 CATAWBA	4	7.17	10	4.57	4.68
19 CHATHAM	0	0.00	3	4.35	3.92
20 CHEROKEE	0	0.00	0	0.00	0.00
21 CHOWAN	0	0.00	2	7.47	5.60
22 CLAY	0	0.00	0	0.00	0.00
23 CLEVELAND	2	4.60	12	6.93	6.80
24 COLUMBUS	1	3.71	5	4.67	4.22
25 CRAVEN	2	5.57	6	4.28	4.20
26 CUMBERLAND	4	3.33	21	4.45	6.80
27 CURRITUCK	0	0.00	0	0.00	0.00
28 DARE	0	0.00	1	3.57	3.08
29 DAVIDSON	1	1.71	10	4.31	4.95
30 DAVIE	1	7.25	4	7.66	9.52
31 DUPLIN	0	0.00	3	3.51	3.54
32 DURHAM	3	3.61	18	5.49	4.24
33 EDGECOMBE	1	3.32	8	6.68	4.92
34 FORSYTH	6	4.56	28	5.40	4.93
35 FRANKLIN	0	0.00	1	1.59	1.77
36 GASTON	5	5.79	21	6.17	6.55
37 GATES	0	0.00	0	0.00	0.00
38 GRAHAM	0	0.00	1	6.99	5.16
39 GRANVILLE	1	5.65	5	7.22	6.62
40 GREENE	2	24.23	5	15.27	9.65
41 GUILFORD	10	5.94	38	5.67	5.77

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
CANCER OF CERVIX UTERI CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
42 HALIFAX	5	17.30	13	11.26	9.64
43 HARNETT	1	3.17	4	3.24	3.43
44 HAYWOOD	2	8.22	7	7.26	5.03
45 HENDERSON	1	3.10	3	2.41	1.78
46 HERTFORD	1	8.10	7	14.29	7.56
47 HOKE	0	0.00	2	4.72	2.15
48 HYDE	0	0.00	1	8.18	4.94
49 IREDELL	1	2.29	4	2.32	2.60
50 JACKSON	1	7.29	2	3.76	6.96
51 JOHNSTON	1	2.66	8	5.40	5.25
52 JONES	1	19.30	2	9.75	7.98
53 LEE	1	5.12	5	6.51	6.65
54 LENOIR	1	3.16	10	7.92	5.33
55 LINCOLN	1	4.54	4	4.62	6.25
56 MCDOWELL	2	10.74	6	8.24	6.57
57 MACON	1	8.99	3	7.00	3.84
58 MADISON	0	0.00	1	2.87	2.46
59 MARTIN	2	14.48	5	9.10	7.27
60 MECKLENBURG	8	3.67	32	3.76	3.78
61 MITCHELL	0	0.00	2	6.75	4.23
62 MONTGOMERY	2	17.18	3	6.54	7.17
63 MOORE	4	14.96	7	6.65	6.13
64 NASH	2	5.52	11	7.71	6.39
65 NEW HANOVER	0	0.00	4	1.82	1.82
66 NORTHAMPTON	2	17.46	4	8.70	3.16
67 ONSLOW	0	0.00	3	1.62	2.76
68 ORANGE	2	4.88	6	3.71	5.04
69 PAMLICO	1	18.09	2	9.27	5.06
70 PASQUOTANK	0	0.00	4	6.78	4.28
71 PENDER	0	0.00	2	4.39	3.74
72 PERQUIMANS	0	0.00	2	10.03	6.27
73 PERSON	0	0.00	2	3.29	2.80
74 PITT	2	4.04	10	5.18	4.94
75 POLK	0	0.00	2	7.20	5.48
76 RANDOLPH	1	2.09	5	2.65	6.64
77 RICHMOND	2	8.43	4	4.22	3.47
78 ROBESON	1	1.84	6	2.80	1.84
79 ROCKINGHAM	5	11.32	11	6.29	3.89
80 ROWAN	0	0.00	5	2.43	2.62
81 RUTHERFORD	3	10.47	6	5.30	5.82
82 SAMPSON	2	7.75	5	4.85	4.46
83 SCOTLAND	1	5.76	7	10.28	9.05
84 STANLY	0	0.00	1	1.00	2.20
85 STOKES	2	11.31	2	2.92	2.35
86 SURRY	4	12.75	8	6.47	5.00
87 SWAIN	1	18.33	3	13.96	14.30
88 TRANSYLVANIA	0	0.00	0	0.00	0.00
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	2	5.36	7	4.83	5.27
91 VANCE	1	5.15	7	9.09	7.16
92 WAKE	5	3.12	14	2.25	2.49
93 WARREN	0	0.00	1	2.93	0.68
94 WASHINGTON	0	0.00	1	3.30	2.04
95 WATAUGA	1	5.89	4	6.06	25.58
96 WAYNE	1	1.99	8	3.99	3.67
97 WILKES	2	6.57	7	5.81	4.78
98 WILSON	4	11.92	17	12.75	11.55
99 YADKIN	0	0.00	1	1.70	7.39
100 YANCEY	0	0.00	1	3.25	2.60

* SEE SECTION I

CANCER OF THE CERVIX UTERI

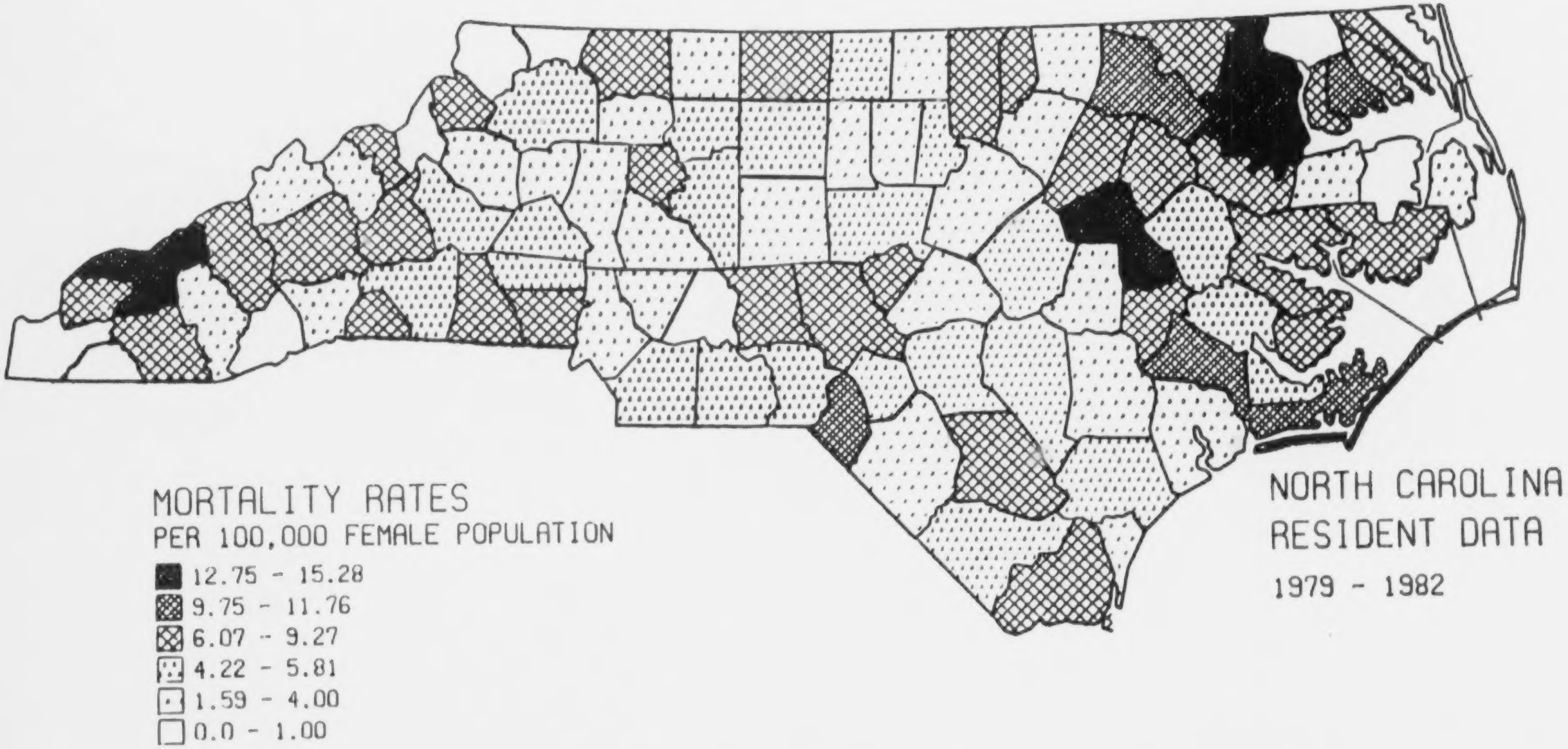

MORTALITY RATES
PER 100,000 FEMALE POPULATION
■ 12.75 - 15.28
▩ 9.75 - 11.76
▨ 6.07 - 9.27
▦ 4.22 - 5.81
⊡ 1.59 - 4.00
□ 0.0 - 1.00
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 15.A

CANCER OF THE CERVIX UTERI

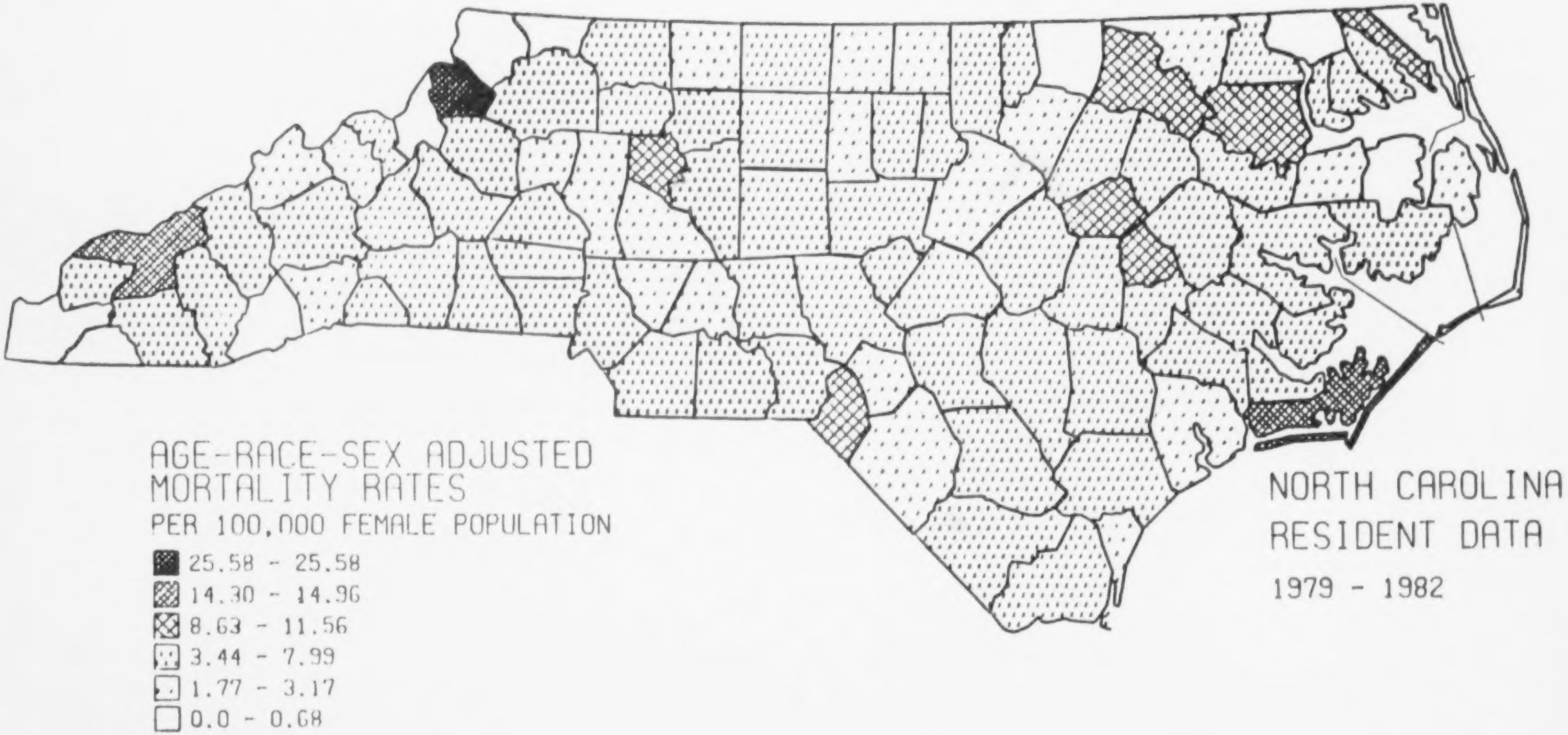

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 FEMALE POPULATION
25.58 - 25.58
14.30 - 14.96
8.63 - 11.56
3.44 - 7.99
1.77 - 3.17
0.0 - 0.68
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 15.B

TABLE 16

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

CANCER OF OVARY AND OTHER UTERINE ADNEXA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
NORTH CAROLINA	241	7.78	936	7.68	7.68
REGIONS					
DHR I WESTERN	82	7.68	345	8.22	7.86
DHR II N. CENTRAL	65	9.72	223	8.44	8.03
DHR III S. CENTRAL	43	6.05	158	5.66	6.46
DHR IV EASTERN	51	7.84	210	8.19	8.47
HSA I WESTERN	55	10.23	196	9.27	8.69
HSA II PIEDMONT	62	10.48	200	8.55	8.09
HSA III S. PIEDMONT	27	5.09	149	7.16	7.20
HSA IV CAPITAL	26	5.96	108	6.32	6.80
HSA V CARDINAL	37	7.94	116	6.33	7.13
HSA VI EASTERN	34	6.35	167	7.89	8.19
COUNTIES					
1 ALAMANCE	2	3.80	13	6.22	5.19
2 ALEXANDER	2	15.32	4	7.83	7.48
3 ALLEGHANY	0	0.00	0	0.00	0.00
4 ANSON	1	7.34	4	7.37	8.11
5 ASHE	1	8.50	5	10.86	7.57
6 AVERY	1	13.41	2	6.85	5.54
7 BEAUFORT	3	13.68	9	10.45	9.57
8 BERTIE	1	8.85	4	8.95	3.11
9 BLADEN	0	0.00	1	1.58	0.95
10 BRUNSWICK	6	30.30	11	14.68	14.62
11 BUNCOMBE	14	16.22	37	10.87	8.27
12 BURKE	4	10.58	11	7.37	9.08
13 CABARRUS	2	4.31	20	11.07	9.42
14 CALDWELL	4	11.55	8	5.79	5.31
15 CAMDEN	0	0.00	1	8.46	7.07
16 CARTERET	2	9.05	8	9.40	7.59
17 CASWELL	0	0.00	4	9.47	12.43
18 CATAWBA	5	8.96	15	6.86	7.51
19 CHATHAM	2	11.37	5	7.25	7.10
20 CHEROKEE	2	19.94	8	20.27	26.20
21 CHOWAN	1	14.93	3	11.21	9.43
22 CLAY	1	28.40	1	7.30	4.05
23 CLEVELAND	4	9.21	14	8.09	7.74
24 COLUMBUS	1	3.71	2	1.86	1.61
25 CRAVEN	3	8.35	10	7.14	10.18
26 CUMBERLAND	1	0.83	11	2.33	3.72
27 CURRITUCK	0	0.00	0	0.00	0.00
28 DARE	0	0.00	1	3.57	2.12
29 DAVIDSON	9	15.40	33	14.24	13.77
30 DAVIE	2	14.50	5	9.58	8.34
31 DUPLIN	0	0.00	10	11.72	10.34
32 DURHAM	5	6.01	19	5.79	5.41
33 EDGECOMBE	2	6.65	7	5.84	7.36
34 FORSYTH	17	12.93	51	9.83	9.72
35 FRANKLIN	0	0.00	3	4.77	5.93
36 GASTON	6	6.94	23	6.76	6.96
37 GATES	0	0.00	0	0.00	0.00
38 GRAHAM	0	0.00	2	13.98	10.48
39 GRANVILLE	0	0.00	3	4.33	4.11
40 GREENE	0	0.00	2	6.11	5.42
41 GUILFORD	20	11.88	58	8.65	8.54

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
CANCER OF OVARY AND OTHER UTERINE ADNEXA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
42 HALIFAX	3	10.38	9	7.79	7.92
43 HARNETT	2	6.35	7	5.68	5.63
44 HAYWOOD	4	16.45	11	11.41	7.51
45 HENDERSON	4	12.42	17	13.68	11.44
46 HERTFORD	0	0.00	6	12.25	10.39
47 HOKE	0	0.00	3	7.08	9.42
48 HYDE	0	0.00	1	8.18	8.83
49 IREDELL	1	2.29	11	6.38	5.38
50 JACKSON	1	7.29	6	11.28	13.50
51 JOHNSTON	3	7.98	10	6.75	6.53
52 JONES	0	0.00	0	0.00	0.00
53 LEE	0	0.00	7	9.11	9.11
54 LENOIR	5	15.84	19	15.05	13.22
55 LINCOLN	1	4.54	9	10.39	11.21
56 MCDOWELL	1	5.37	1	1.37	1.10
57 MACON	1	8.99	9	21.00	12.63
58 MADISON	1	11.34	4	11.50	8.38
59 MARTIN	0	0.00	2	3.64	3.12
60 MECKLENBURG	12	5.51	49	5.76	6.50
61 MITCHELL	1	13.60	2	6.75	4.22
62 MONTGOMERY	2	17.18	4	8.72	7.56
63 MOORE	5	18.70	8	7.60	6.73
64 NASH	0	0.00	5	3.50	3.19
65 NEW HANOVER	7	12.48	18	8.22	8.43
66 NORTHAMPTON	1	8.73	2	4.35	3.73
67 ONSLOW	3	6.46	15	8.14	16.75
68 ORANGE	1	2.44	5	3.09	4.40
69 PAMLICO	0	0.00	2	9.27	8.07
70 PASQUOTANK	1	6.76	7	11.86	11.48
71 PENDER	3	25.86	12	26.36	29.01
72 PERQUIMANS	0	0.00	2	10.03	6.26
73 PERSON	2	12.99	10	16.48	16.30
74 PITT	3	6.07	11	5.70	7.44
75 POLK	0	0.00	5	18.01	14.57
76 RANDOLPH	2	4.18	4	2.12	1.88
77 RICHMOND	1	4.21	10	10.55	9.83
78 ROBESON	4	7.38	10	4.67	5.86
79 ROCKINGHAM	3	6.79	13	7.44	6.69
80 ROWAN	2	3.83	19	9.23	7.38
81 RUTHERFORD	3	10.47	12	10.61	8.86
82 SAMPSON	4	15.51	10	9.71	9.78
83 SCOTLAND	0	0.00	5	7.34	7.91
84 STANLY	0	0.00	11	11.01	12.20
85 STOKES	0	0.00	3	4.38	3.96
86 SURRY	5	15.94	9	7.28	5.44
87 SWAIN	0	0.00	1	4.65	4.30
88 TRANSYLVANIA	0	0.00	3	6.22	4.43
89 TYRRELL	0	0.00	2	23.09	21.51
90 UNION	3	8.04	7	4.83	5.68
91 VANCE	0	0.00	3	3.89	2.76
92 WAKE	12	7.49	39	6.27	7.90
93 WARREN	1	11.67	4	11.73	10.69
94 WASHINGTON	1	13.48	1	3.30	1.98
95 WATAUGA	1	5.89	2	3.03	2.89
96 WAYNE	4	7.97	19	9.49	11.77
97 WILKES	0	0.00	10	8.30	9.24
98 WILSON	1	2.98	9	6.75	6.15
99 YADKIN	2	13.42	7	11.93	8.72
100 YANCEY	0	0.00	6	19.52	13.44

* SEE SECTION I

CANCER OF OVARY AND OTHER UTERINE ADNEXA

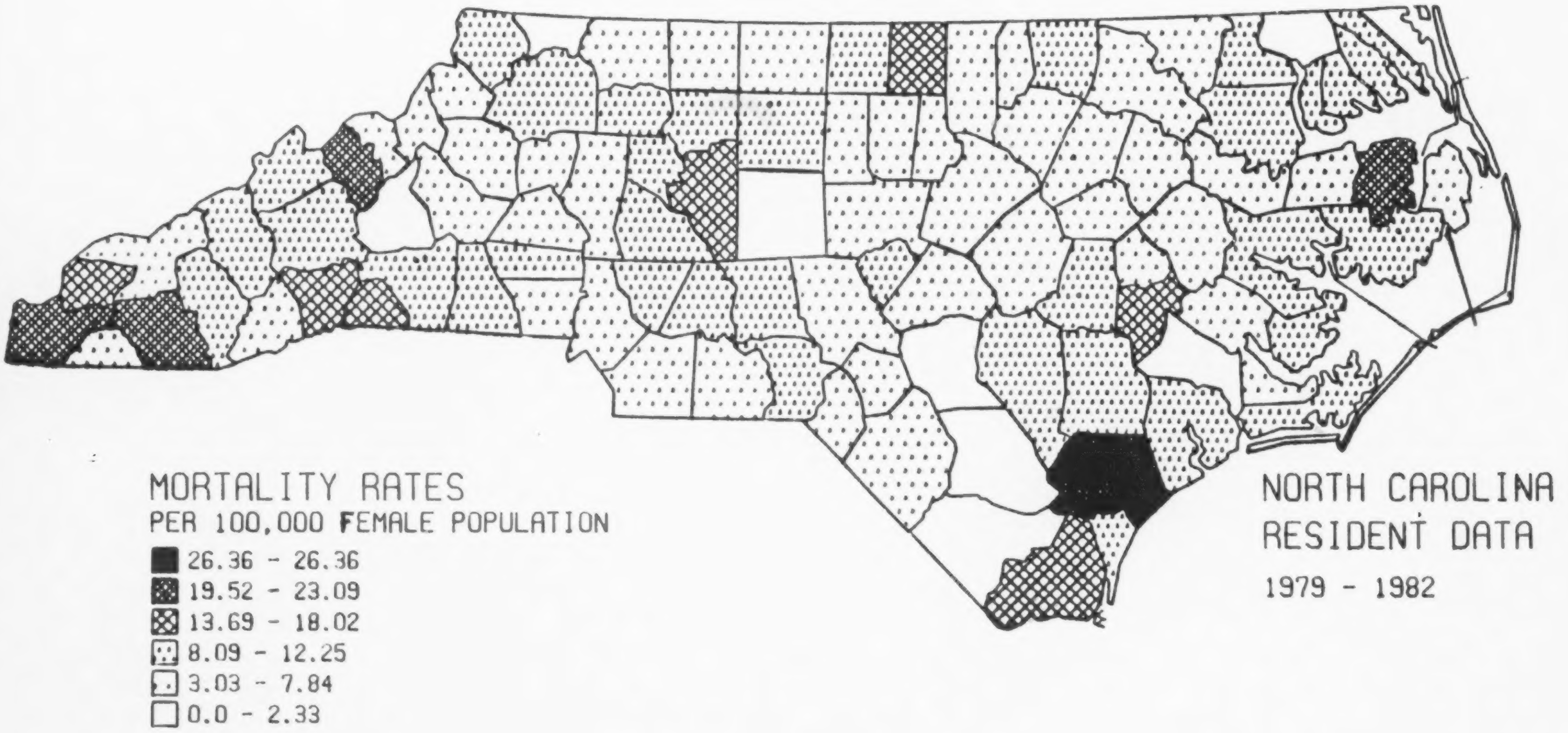

MORTALITY RATES
PER 100,000 FEMALE POPULATION
■ 26.36 - 26.36
▩ 19.52 - 23.09
▨ 13.69 - 18.02
⁘ 8.09 - 12.25
⁚ 3.03 - 7.84
☐ 0.0 - 2.33
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 16.A

CANCER OF OVARY AND OTHER UTERINE ADNEXA

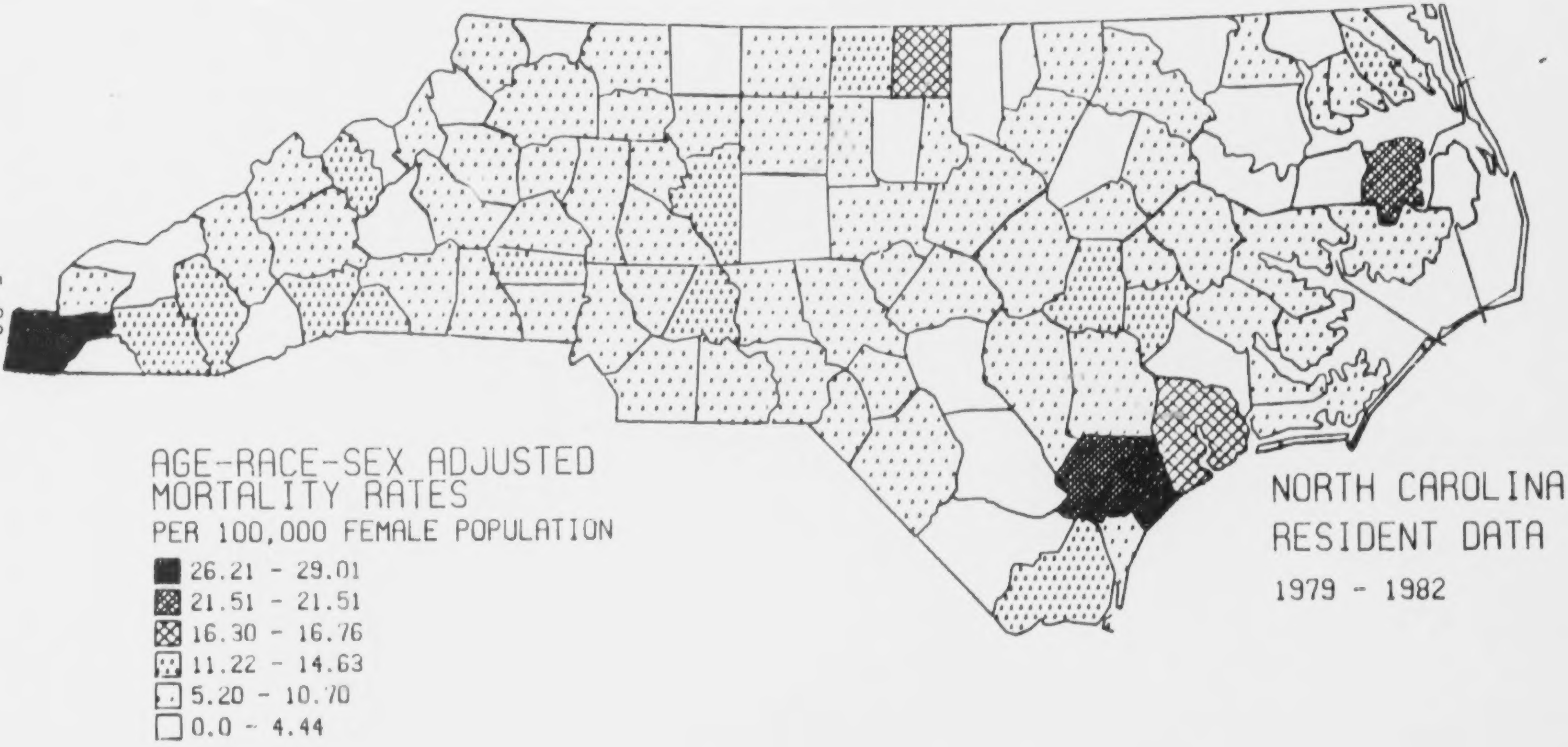

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 FEMALE POPULATION
■ 26.21 - 29.01
▩ 21.51 - 21.51
▨ 16.30 - 16.76
⁙ 11.22 - 14.63
⁚ 5.20 - 10.70
☐ 0.0 - 4.44
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 16.B

TABLE 17

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

CANCER OF PROSTATE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
NORTH CAROLINA	618	21.14	2469	21.46	21.46
REGIONS					
DHR I WESTERN	203	20.36	833	21.28	21.57
DHR II N. CENTRAL	133	21.61	551	22.68	21.93
DHR III S. CENTRAL	121	17.74	513	19.14	21.13
DHR IV EASTERN	161	25.61	572	23.06	21.73
HSA I WESTERN	111	22.01	445	22.43	20.88
HSA II PIEDMONT	119	21.92	466	21.73	21.93
HSA III S. PIEDMONT	92	18.66	388	20.10	22.06
HSA IV CAPITAL	70	17.19	322	20.21	20.23
HSA V CARDINAL	90	19.84	368	20.59	21.69
HSA VI EASTERN	136	26.04	480	23.23	22.01
COUNTIES					
1 ALAMANCE	11	23.12	38	20.05	18.73
2 ALEXANDER	3	23.28	10	19.88	18.99
3 ALLEGHANY	1	20.94	3	15.97	7.98
4 ANSON	5	41.51	13	27.07	17.03
5 ASHE	0	0.00	12	27.38	13.86
6 AVERY	5	67.27	10	34.21	25.07
7 BEAUFORT	6	30.13	17	21.80	15.92
8 BERTIE	6	59.15	15	37.47	27.97
9 BLADEN	2	13.41	14	23.65	17.27
10 BRUNSWICK	3	15.66	12	16.52	14.72
11 BUNCOMBE	26	33.38	89	29.00	25.07
12 BURKE	4	11.10	28	19.70	23.54
13 CABARRUS	4	9.32	25	14.98	15.60
14 CALDWELL	5	15.06	23	17.38	18.06
15 CAMDEN	1	36.03	7	62.55	45.57
16 CARTERET	7	31.97	23	27.31	25.92
17 CASWELL	2	18.93	12	29.08	22.48
18 CATAWBA	9	17.20	40	19.50	24.91
19 CHATHAM	3	17.64	13	19.53	15.14
20 CHEROKEE	4	42.95	16	43.59	23.05
21 CHOWAN	2	33.89	8	33.75	14.11
22 CLAY	0	0.00	1	7.44	2.91
23 CLEVELAND	7	17.40	34	21.18	20.84
24 COLUMBUS	4	16.06	25	25.30	22.82
25 CRAVEN	8	21.13	35	23.67	30.02
26 CUMBERLAND	13	9.87	58	11.07	23.36
27 CURRITUCK	3	50.31	8	34.39	31.77
28 DARE	2	26.75	3	10.79	6.99
29 DAVIDSON	12	21.58	30	13.58	15.65
30 DAVIE	1	7.44	8	15.79	14.93
31 DUPLIN	4	20.17	17	21.64	16.84
32 DURHAM	12	16.44	67	23.28	21.19
33 EDGECOMBE	8	30.34	32	30.44	24.53
34 FORSYTH	21	17.83	103	22.20	21.96
35 FRANKLIN	2	13.49	14	24.01	16.51
36 GASTON	12	15.12	67	21.42	24.75
37 GATES	0	0.00	5	28.03	19.09
38 GRAHAM	0	0.00	2	14.09	37.06
39 GRANVILLE	4	22.78	20	29.23	22.34
40 GREENE	4	50.63	10	32.00	29.20
41 GUILFORD	43	28.44	151	25.16	25.88

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
CANCER OF PROSTATE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	13	48.59	36	33.81	26.38
43 HARNETT	7	23.27	33	26.00	30.11
44 HAYWOOD	4	17.55	17	18.79	10.66
45 HENDERSON	7	23.60	38	33.24	20.20*
46 HERTFORD	6	52.65	16	35.52	26.07
47 HOKE	0	0.00	2	4.87	6.63
48 HYDE	0	0.00	4	34.44	14.24
49 IREDELL	6	19.58	36	22.36	20.39
50 JACKSON	3	22.88	8	15.64	11.01
51 JOHNSTON	9	25.78	26	18.92	18.76
52 JONES	1	21.79	6	32.84	12.89
53 LEE	2	11.15	16	22.71	23.24
54 LENOIR	9	31.86	20	17.72	16.00
55 LINCOLN	1	4.73	12	14.41	16.35
56 MCDOWELL	1	5.69	5	7.28	5.03
57 MACON	4	38.14	10	24.71	34.00*
58 MADISON	3	35.26	12	35.90	19.05
59 MARTIN	3	24.04	10	20.16	14.69
60 MECKLENBURG	49	24.43	168	21.51	26.48
61 MITCHELL	2	28.56	7	24.88	12.51
62 MONTGOMERY	1	8.92	7	15.92	13.16
63 MOORE	9	36.02	31	31.62	21.83
64 NASH	4	12.15	26	20.10	18.87
65 NEW HANOVER	13	25.41	33	16.53	17.03
66 NORTHAMPTON	2	17.99	21	47.19	27.35
67 ONSLOW	5	7.43	22	8.17	26.24
68 ORANGE	6	15.99	19	12.84	15.22
69 PAMLICO	0	0.00	5	24.94	15.45
70 PASQUOTANK	6	43.78	19	34.78	28.50
71 PENDER	5	44.74	22	50.22	36.44
72 PERQUIMANS	1	21.86	8	43.78	23.24
73 PERSON	1	6.96	12	21.20	17.01
74 PITT	11	24.91	28	16.26	17.92
75 POLK	2	30.92	8	32.00	19.13
76 RANDOLPH	8	17.61	26	14.48	14.85
77 RICHMOND	4	18.31	20	22.97	19.91
78 ROBESON	20	40.33	66	33.78	29.65
79 ROCKINGHAM	8	19.62	42	26.08	24.52
80 ROWAN	8	16.32	40	20.72	17.38
81 RUTHERFORD	8	30.47	22	21.24	18.51
82 SAMPSON	3	12.50	22	23.02	16.32
83 SCOTLAND	1	6.29	10	16.05	18.07
84 STANLY	5	21.36	18	19.31	16.39
85 STOKES	2	11.77	13	19.74	25.44
86 SURRY	6	20.54	28	24.34	19.34
87 SWAIN	3	59.30	9	44.96	33.31
88 TRANSYLVANIA	0	0.00	6	12.82	8.09
89 TYRRELL	0	0.00	4	51.71	30.68*
90 UNION	5	13.97	22	15.79	18.43
91 VANCE	4	22.54	23	32.76	25.58
92 WAKE	24	15.53	96	16.05	22.28
93 WARREN	3	37.91	16	51.07	14.88
94 WASHINGTON	3	42.80	10	34.94	28.48
95 WATAUGA	1	6.14	12	19.04	14.22
96 WAYNE	14	29.49	41	21.63	23.78
97 WILKES	7	23.87	15	12.91	13.14
98 WILSON	7	23.35	24	20.15	16.92
99 YADKIN	5	34.73	15	26.58	22.52
100 YANCEY	2	26.92	8	27.23	13.89

* SEE SECTION I

CANCER OF THE PROSTATE

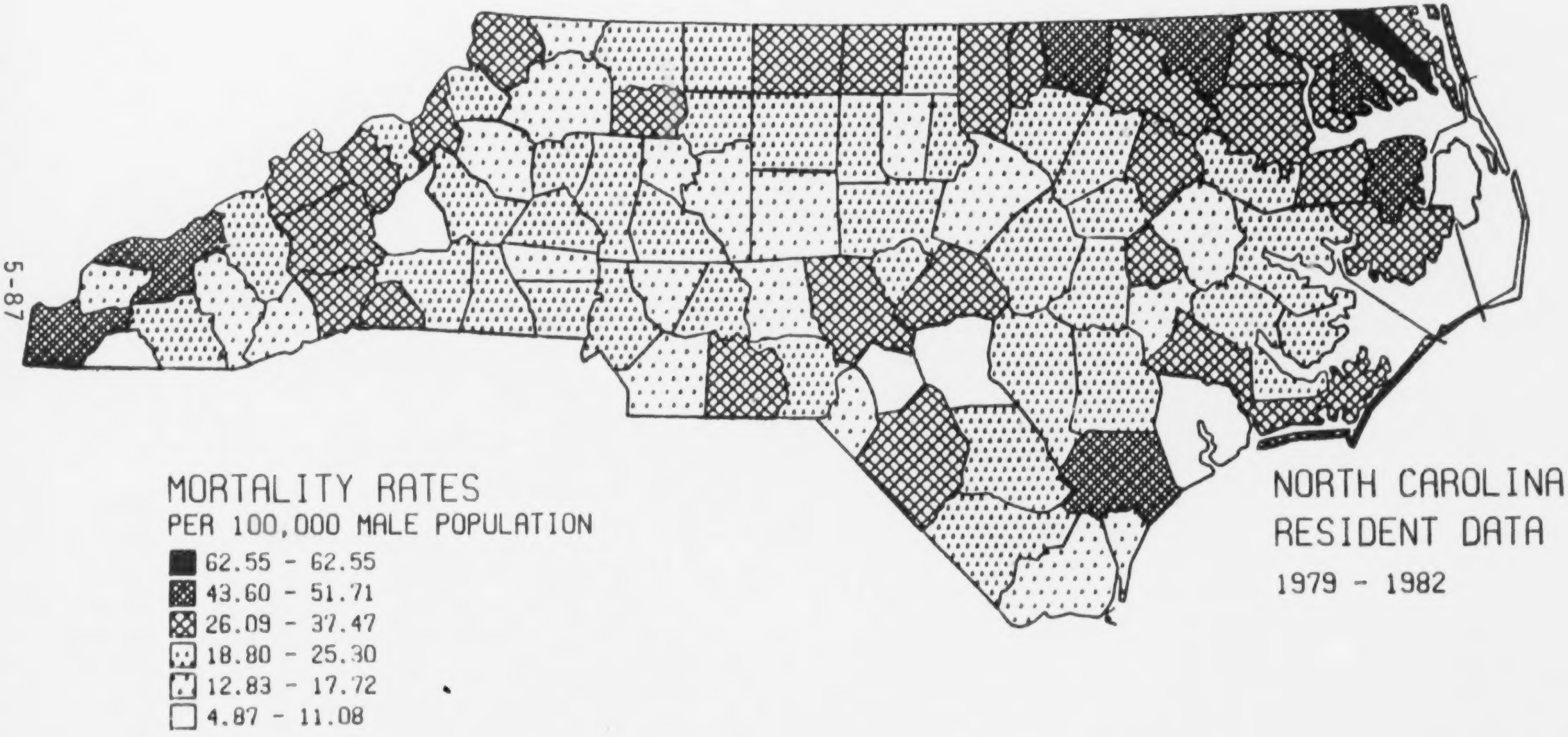

NORTH CAROLINA
RESIDENT DATA
1979 - 1982
MORTALITY RATES
PER 100,000 MALE POPULATION
■ 62.55 - 62.55
▩ 43.60 - 51.71
▨ 26.09 - 37.47
⁘ 18.80 - 25.30
⁛ 12.83 - 17.72
☐ 4.87 - 11.08

FIGURE 17.A

CANCER OF THE PROSTATE

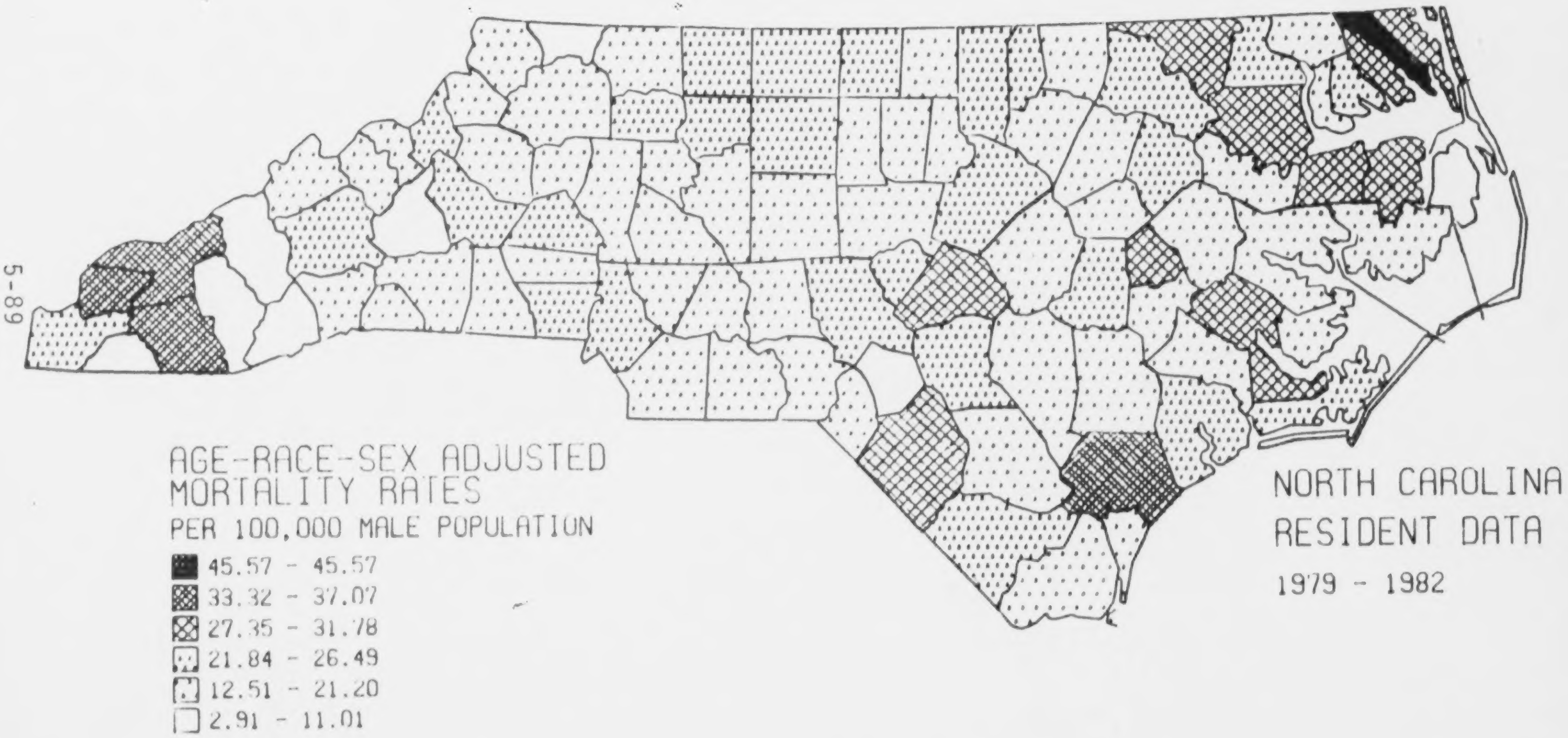

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 MALE POPULATION
■ 45.57 - 45.57
▩ 33.32 - 37.07
▨ 27.35 - 31.78
▦ 21.84 - 26.49
▤ 12.51 - 21.20
□ 2.91 - 11.01
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 17.B

TABLE 18

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

LEUKEMIA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	430	7.14	1591	6.71	6.71
REGIONS					
DHR I WESTERN	136	6.58	568	7.00	6.57
DHR II N. CENTRAL	104	8.10	386	7.61	7.26
DHR III S. CENTRAL	87	6.24	301	5.50	6.22
DHR IV EASTERN	103	8.05	336	6.66	6.97
HSA I WESTERN	73	7.01	326	7.95	7.21
HSA II PIEDMONT	90	7.93	341	7.60	7.23
HSA III S. PIEDMONT	63	6.15	242	6.03	6.05
HSA IV CAPITAL	60	7.11	207	6.27	6.74
HSA V CARDINAL	59	6.41	198	5.47	6.06
HSA VI EASTERN	85	8.03	277	6.62	7.02
COUNTIES					
1 ALAMANCE	10	9.98	34	6.53	7.53
2 ALEXANDER	2	7.71	9	8.88	8.63
3 ALLEGHANY	0	0.00	3	7.72	4.36
4 ANSON	3	11.69	7	6.84	5.71
5 ASHE	2	8.72	7	7.79	5.62
6 AVERY	2	13.43	5	8.55	6.81
7 BEAUFORT	2	4.78	14	8.53	8.09
8 BERTIE	3	13.99	9	10.62	13.67
9 BLADEN	1	3.24	7	5.72	5.57
10 BRUNSWICK	0	0.00	5	3.38	3.20
11 BUNCOMBE	16	9.74	57	8.80	7.02
12 BURKE	5	6.77	19	6.52	7.62
13 CABARRUS	5	5.60	26	7.48	6.36
14 CALDWELL	1	1.47	12	4.43	4.00
15 CAMDEN	0	0.00	1	4.34	3.47
16 CARTERET	4	9.09	10	5.90	6.65
17 CASWELL	0	0.00	2	2.39	2.10
18 CATAWBA	7	6.47	36	8.49	8.89
19 CHATHAM	3	8.67	9	6.64	6.16
20 CHEROKEE	1	5.16	9	11.81	7.39
21 CHOWAN	1	7.94	4	7.92	8.94
22 CLAY	0	0.00	1	3.68	2.08
23 CLEVELAND	3	3.58	20	5.99	5.62
24 COLUMBUS	2	3.85	15	7.28	7.72
25 CRAVEN	3	4.06	18	6.25	7.06
26 CUMBERLAND	10	3.97	34	3.41	5.18
27 CURRITUCK	3	25.81	5	10.98	11.51
28 DARE	2	13.35	4	7.17	5.23
29 DAVIDSON	12	10.52	32	7.07	6.65
30 DAVIE	0	0.00	9	8.75	7.51
31 DUPLIN	4	9.67	13	7.93	7.43
32 DURHAM	13	8.33	39	6.33	6.11
33 EDGECOMBE	3	5.31	17	7.56	8.48
34 FORSYTH	16	6.42	66	6.71	6.73
35 FRANKLIN	4	13.00	8	6.60	6.79
36 GASTON	9	5.43	38	5.82	6.00
37 GATES	0	0.00	3	8.40	8.97
38 GRAHAM	1	14.08	1	3.51	2.11
39 GRANVILLE	5	14.19	12	8.71	8.82
40 GREENE	1	6.19	5	7.81	8.59
41 GUILFORD	25	7.82	99	7.79	7.75

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
LEUKEMIA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	5	8.98	15	6.76	6.96
43 HARNETT	2	3.24	9	3.73	4.08
44 HAYWOOD	4	8.49	20	10.70	11.42*
45 HENDERSON	3	4.85	23	9.64	8.60*
46 HERTFORD	3	12.63	9	9.57	9.74
47 HOKE	1	4.53	4	4.79	5.06
48 HYDE	0	0.00	1	4.19	3.23
49 IREDELL	6	7.10	25	7.50	6.69
50 JACKSON	3	11.18	6	5.75	4.61
51 JOHNSTON	7	9.66	27	9.46	9.28
52 JONES	1	10.23	4	10.31	8.73
53 LEE	0	0.00	10	6.79	6.53
54 LENOIR	5	8.36	18	7.53	7.24
55 LINCOLN	4	9.27	8	4.71	4.97
56 MCDOWELL	2	5.53	8	5.65	4.32
57 MACON	2	9.25	15	18.00	9.18
58 MADISON	1	5.77	3	4.39	3.22
59 MARTIN	4	15.21	8	7.65	7.84
60 MECKLENBURG	22	5.26	95	5.82	6.53
61 MITCHELL	0	0.00	3	5.19	3.14
62 MONTGOMERY	4	17.51	5	5.56	5.12
63 MOORE	4	7.73	15	7.38	5.99
64 NASH	3	4.34	18	6.62	7.01
65 NEW HANOVER	13	12.12	33	7.88	7.88
66 NORTHAMPTON	7	31.01	14	15.47	13.76
67 ONSLOW	4	3.52	12	2.64	5.21
68 ORANGE	9	11.46	15	4.84	6.40
69 PAMLICO	0	0.00	0	0.00	0.00
70 PASQUOTANK	3	10.53	10	8.80	9.06
71 PENDER	3	13.17	6	6.71	6.64
72 PERQUIMANS	1	10.45	4	10.46	10.18
73 PERSON	2	6.72	8	6.82	6.26
74 PITT	11	11.75	25	6.84	7.88
75 POLK	4	29.37	7	13.27	6.60
76 RANDOLPH	7	7.51	24	6.52	6.31
77 RICHMOND	2	4.38	15	8.24	7.78
78 ROBESON	10	9.64	27	6.59	9.04
79 ROCKINGHAM	8	9.42	29	8.63	7.62
80 ROWAN	6	5.92	21	5.26	4.29
81 RUTHERFORD	2	3.64	19	8.77	9.06
82 SAMPSON	4	8.03	14	7.05	6.98
83 SCOTLAND	0	0.00	2	1.53	1.48
84 STANLY	4	8.24	14	7.25	6.50
85 STOKES	4	11.53	14	10.42	9.23
86 SURRY	7	11.55	22	9.22	10.86
87 SWAIN	2	19.02	6	14.45	14.27
88 TRANSYLVANIA	3	12.30	6	6.31	4.39
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	7	9.58	15	5.28	6.13
91 VANCE	3	8.08	14	9.51	9.43
92 WAKE	14	4.44	62	5.08	6.23
93 WARREN	0	0.00	3	4.58	5.21
94 WASHINGTON	0	0.00	1	1.69	2.01
95 WATAUGA	5	15.04	10	7.75	6.04
96 WAYNE	7	7.16	17	4.36	5.03
97 WILKES	2	3.34	19	8.02	7.71
98 WILSON	5	7.87	18	7.13	7.81
99 YADKIN	1	3.41	10	8.69	6.18
100 YANCEY	0	0.00	2	3.32	1.93

* SEE SECTION I

LEUKEMIA

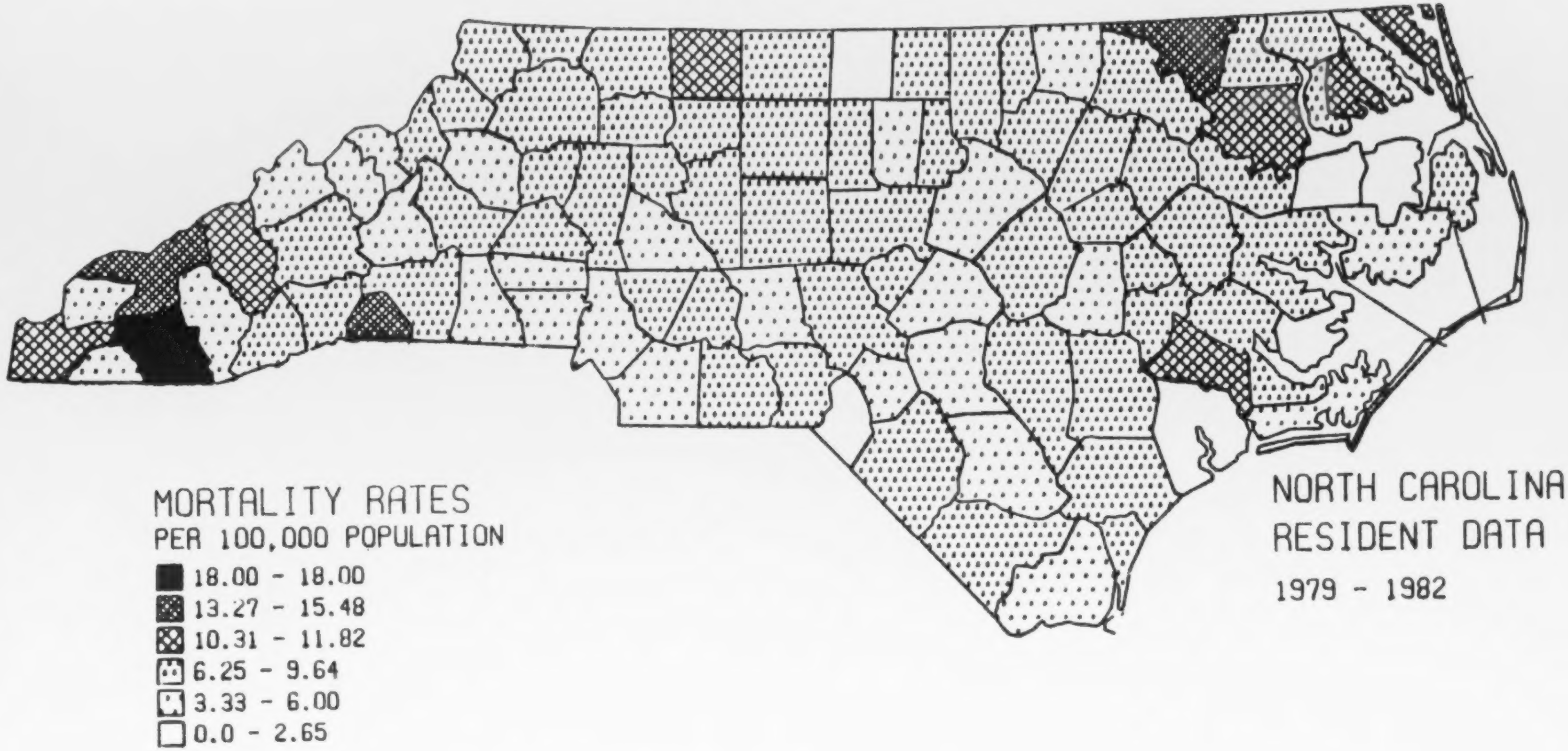

MORTALITY RATES
PER 100,000 POPULATION
■ 18.00 - 18.00
▩ 13.27 - 15.48
▨ 10.31 - 11.82
▦ 6.25 - 9.64
▦ 3.33 - 6.00
☐ 0.0 - 2.65
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 18.A

LEUKEMIA

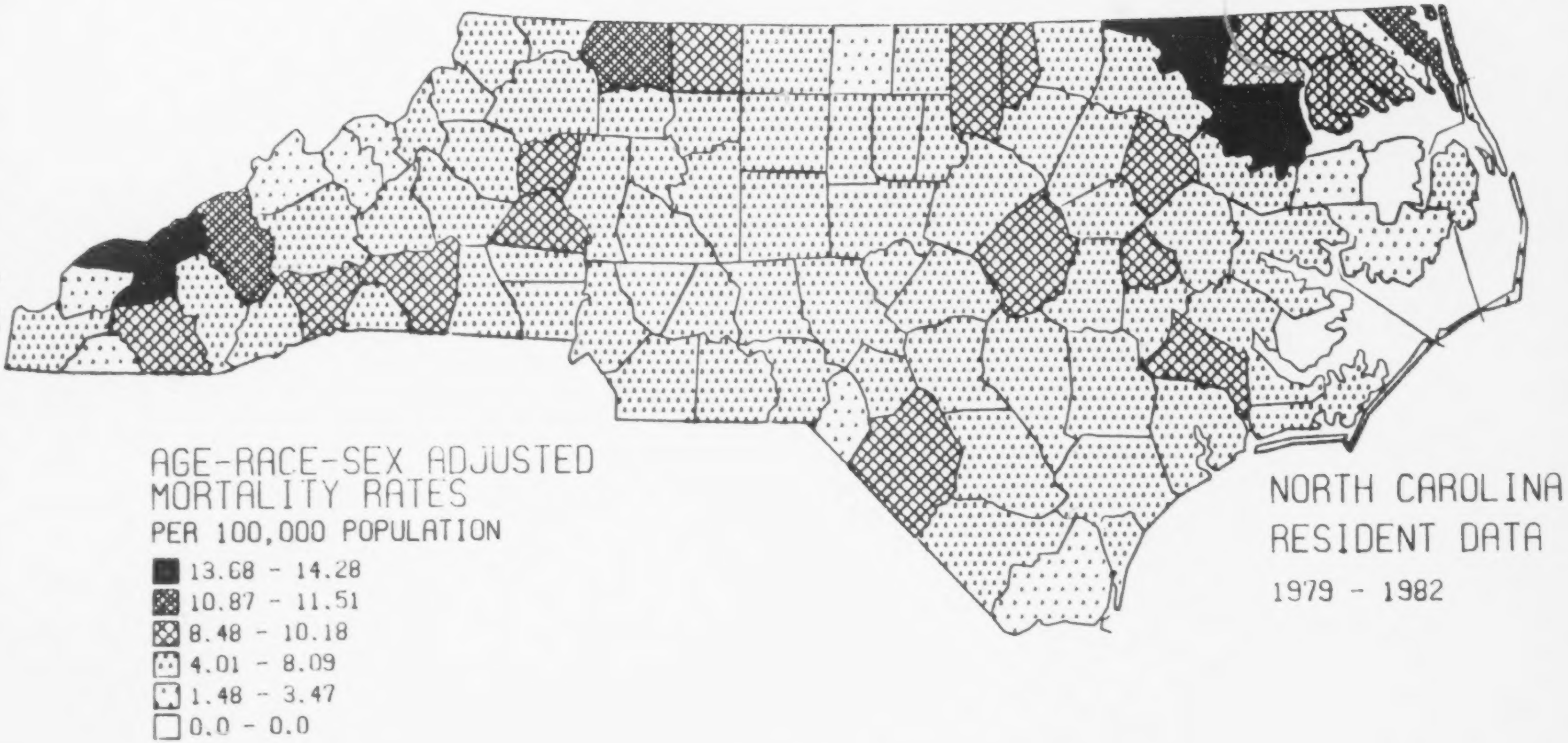

AGE-RACE-SEX ADJUSTED MORTALITY RATES
PER 100,000 POPULATION
■ 13.68 - 14.28
▩ 10.87 - 11.51
▨ 8.48 - 10.18
⁘ 4.01 - 8.09
⁘ 1.48 - 3.47
☐ 0.0 - 0.0
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 18.B

TABLE 19

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

DIABETES MELLITUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	787	13.07	3250	13.71	13.71
REGIONS					
DHR I WESTERN	272	13.17	1070	13.19	13.79
DHR II N. CENTRAL	150	11.68	684	13.49	13.06
DHR III S. CENTRAL	188	13.50	731	13.36	14.36
DHR IV EASTERN	177	13.84	765	15.16	14.25
HSA I WESTERN	148	14.21	556	13.56	14.25
HSA II PIEDMONT	129	11.37	582	12.98	13.14
HSA III S. PIEDMONT	124	12.11	514	12.81	13.62
HSA IV CAPITAL	108	12.81	445	13.48	13.72
HSA V CARDINAL	129	14.03	504	13.93	14.17
HSA VI EASTERN	149	14.08	649	15.51	14.70
COUNTIES					
1 ALAMANCE	14	13.98	60	15.06	13.35
2 ALEXANDER	2	7.71	7	6.90	6.42
3 ALLEGHANY	1	10.13	2	5.15	2.65
4 ANSON	2	7.79	13	12.71	10.77
5 ASHE	4	17.44	19	21.14	13.03
6 AVERY	2	13.43	4	6.84	4.79
7 BEAUFORT	11	26.29	50	30.48	25.69
8 BERTIE	8	37.32	27	31.87	22.92
9 BLADEN	2	6.49	14	11.45	8.18
10 BRUNSWICK	4	10.26	12	8.13	7.85
11 BUNCOMBE	18	10.96	82	12.67	11.33
12 BURKE	13	17.61	40	13.73	17.22
13 CABARRUS	11	12.33	33	9.49	9.87
14 CALDWELL	16	23.58	66	24.40	26.08
15 CAMDEN	0	0.00	3	13.04	10.90
16 CARTERET	10	22.73	27	15.95	14.21
17 CASWELL	4	18.75	16	19.16	18.94
18 CATAWBA	13	12.02	52	12.27	16.11
19 CHATHAM	6	17.34	16	11.80	10.35
20 CHEROKEE	3	15.50	12	15.75	12.93
21 CHOWAN	1	7.94	8	15.85	9.42
22 CLAY	0	0.00	4	14.74	8.62
23 CLEVELAND	20	23.92	62	18.59	18.99
24 COLUMBUS	9	17.36	41	19.92	18.49
25 CRAVEN	3	4.06	22	7.64	8.57
26 CUMBERLAND	25	9.94	73	7.33	13.42
27 CURRITUCK	1	8.60	7	15.38	13.28
28 DARE	2	13.35	8	14.34	14.11
29 DAVIDSON	14	12.27	57	12.59	15.27
30 DAVIE	1	3.67	10	9.72	9.24
31 DUPLIN	7	16.92	41	25.02	19.63
32 DURHAM	26	16.66	95	15.43	14.03
33 EDGECOMBE	9	15.94	38	16.89	14.98
34 FORSYTH	29	11.63	132	13.43	13.03
35 FRANKLIN	3	9.75	20	16.51	13.90
36 GASTON	23	13.88	103	15.78	16.21
37 GATES	1	10.82	3	8.40	2.86
38 GRAHAM	1	14.08	3	10.53	36.41
39 GRANVILLE	6	17.02	25	18.16	15.42
40 GREENE	2	12.38	5	7.81	8.43
41 GUILFORD	30	9.39	147	11.57	11.67

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
DIABETES MELLITUS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	12	21.56	57	25.68	18.88
43 HARNETT	13	21.12	46	19.08	20.07
44 HAYWOOD	6	12.74	26	13.91	8.82
45 HENDERSON	6	9.70	33	13.83	8.84
46 HERTFORD	5	21.06	20	21.27	14.95
47 HOKE	8	36.24	19	22.78	22.71
48 HYDE	1	16.80	6	25.16	15.33
49 IREDELL	16	18.93	57	17.10	16.46
50 JACKSON	3	11.18	11	10.54	14.08
51 JOHNSTON	15	20.70	53	18.57	18.03
52 JONES	1	10.23	7	18.04	12.26
53 LEE	6	16.02	28	19.01	19.00
54 LENOIR	6	10.03	39	16.31	13.99
55 LINCOLN	4	9.27	18	10.60	16.01
56 MCDOWELL	5	13.82	16	11.31	15.19
57 MACON	5	23.14	10	12.00	6.63
58 MADISON	2	11.54	8	11.73	7.54
59 MARTIN	7	26.63	21	20.09	14.65
60 MECKLENBURG	46	11.00	165	10.11	11.35
61 MITCHELL	1	6.96	5	8.66	5.44
62 MONTGOMERY	3	13.13	16	17.81	15.92
63 MOORE	6	11.60	28	13.78	11.62
64 NASH	5	7.23	26	9.56	9.07
65 NEW HANOVER	11	10.25	52	12.42	11.94
66 NORTHAMPTON	5	22.15	18	19.90	11.17
67 ONSLOW	11	9.68	28	6.17	15.61
68 ORANGE	6	7.64	26	8.40	10.42
69 PAMLICO	1	9.38	3	7.20	5.33
70 PASQUOTANK	4	14.04	13	11.44	10.25
71 PENDER	4	17.56	11	12.31	7.14
72 PERQUIMANS	1	10.45	4	10.46	6.34
73 PERSON	3	10.08	14	11.93	9.60
74 PITT	10	10.68	46	12.60	13.24
75 POLK	3	22.03	8	15.16	10.28
76 RANDOLPH	6	6.43	37	10.05	13.96
77 RICHMOND	8	17.55	28	15.39	13.44
78 ROBESON	21	20.24	83	20.28	20.94
79 ROCKINGHAM	12	14.13	55	16.38	15.46
80 ROWAN	16	15.80	86	21.56	20.54
81 RUTHERFORD	3	5.46	19	8.77	7.37
82 SAMPSON	6	12.05	35	17.63	13.48
83 SCOTLAND	7	21.06	33	25.32	28.42
84 STANLY	5	10.30	29	15.02	15.88
85 STOKES	3	8.65	13	9.67	8.51
86 SURRY	8	13.20	29	12.15	14.30
87 SWAIN	2	19.02	9	21.68	22.49
88 TRANSYLVANIA	4	16.41	11	11.58	8.17
89 TYRRELL	2	46.75	5	30.49	29.76
90 UNION	3	4.10	23	8.09	9.77
91 VANCE	6	16.16	28	19.02	16.25
92 WAKE	28	8.89	125	10.24	13.17
93 WARREN	3	18.20	15	22.93	17.92
94 WASHINGTON	3	20.80	12	20.39	23.05
95 WATAUGA	1	3.00	12	9.30	7.64
96 WAYNE	17	17.41	57	14.63	16.04
97 WILKES	13	21.75	30	12.67	15.86
98 WILSON	3	4.72	48	19.01	17.79
99 YADKIN	8	27.30	26	22.60	19.19
100 YANCEY	1	6.57	5	8.31	34.89

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

TABLE 20

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

PNEUMONIA AND INFLUENZA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	1190	19.77	4920	20.76	20.76
REGIONS					
DHR I WESTERN	421	20.39	1826	22.52	21.39
DHR II N. CENTRAL	256	19.94	1039	20.49	19.58
DHR III S. CENTRAL	231	16.59	918	16.78	19.50
DHR IV EASTERN	282	22.05	1137	22.54	23.36
HSA I WESTERN	241	23.14	1019	24.86	21.24
HSA II PIEDMONT	214	18.87	856	19.10	18.56
HSA III S. PIEDMONT	180	17.58	807	20.12	21.17
HSA IV CAPITAL	154	18.26	655	19.84	21.11
HSA V CARDINAL	165	17.95	619	17.10	19.47
HSA VI EASTERN	236	22.31	964	23.05	24.18
COUNTIES					
1 ALAMANCE	18	17.97	74	18.57	16.97
2 ALEXANDER	2	7.71	14	13.81	12.56
3 ALLEGHANY	6	60.79	18	46.36	25.25
4 ANSON	15	58.45	50	48.88	42.34
5 ASHE	1	4.36	14	15.58	8.99
6 AVERY	4	26.86	16	27.38	22.75
7 BEAUFORT	17	40.63	62	37.80	32.53
8 BERTIE	4	18.66	23	27.15	22.08
9 BLADEN	5	16.23	30	24.53	27.61
10 BRUNSWICK	5	12.83	19	12.87	13.35
11 BUNCOMBE	57	34.71	223	34.45	26.30
12 BURKE	11	14.90	67	23.00	26.09
13 CABARRUS	25	28.02	94	27.05	27.64
14 CALDWELL	12	17.69	45	16.64	17.98
15 CAMDEN	3	52.77	6	26.08	25.54
16 CARTERET	7	15.91	48	28.36	26.27
17 CASWELL	3	14.06	8	9.58	8.67
18 CATAWBA	18	16.65	53	12.51	14.55
19 CHATHAM	4	11.56	22	16.23	14.13
20 CHEROKEE	6	31.01	18	23.63	11.31
21 CHOWAN	6	47.64	19	37.66	27.61
22 CLAY	2	28.55	7	25.80	13.86
23 CLEVELAND	16	19.13	73	21.89	21.11
24 COLUMBUS	16	30.86	52	25.26	25.50
25 CRAVEN	9	12.20	36	12.51	17.64
26 CUMBERLAND	24	9.54	101	10.14	21.79
27 CURRITUCK	4	34.41	19	41.75	42.58
28 DARE	5	33.39	14	25.09	25.97
29 DAVIDSON	21	18.41	77	17.01	16.78
30 DAVIE	4	14.69	19	18.47	20.61
31 DUPLIN	3	7.25	15	9.15	8.68
32 DURHAM	41	26.27	143	23.23	22.04
33 EDGECOMBE	17	30.12	55	24.46	22.32
34 FORSYTH	42	16.85	181	18.42	17.76
35 FRANKLIN	8	26.01	29	23.94	20.88
36 GASTON	31	18.70	128	19.61	22.42
37 GATES	4	43.31	12	33.62	16.62
38 GRAHAM	0	0.00	4	14.04	7.83
39 GRANVILLE	8	22.70	58	42.13	43.31
40 GREENE	6	37.15	11	17.19	18.56
41 GUILFORD	62	19.40	239	18.81	18.37

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
PNEUMONIA AND INFLUENZA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	9	16.17	67	30.19	27.15
43 HARNETT	10	16.24	35	14.52	15.83
44 HAYWOOD	8	16.98	51	27.30	17.58
45 HENDERSON	10	16.17	64	26.83	13.71
46 HERTFORD	2	8.42	17	18.08	12.47
47 HOKE	4	18.12	12	14.39	14.36
48 HYDE	3	50.40	10	41.94	34.06 *
49 IREDELL	14	16.56	80	24.00	22.23
50 JACKSON	7	26.10	28	26.84	24.37
51 JOHNSTON	11	15.18	46	16.12	16.02
52 JONES	0	0.00	8	20.62	23.29
53 LEE	6	16.02	26	17.65	18.15
54 LENOIR	22	36.78	72	30.12	29.51
55 LINCOLN	1	2.31	20	11.78	15.65
56 MCDOWELL	7	19.35	37	26.15	20.88
57 MACON	6	27.77	29	34.80	18.25
58 MADISON	5	28.86	24	35.19	19.52
59 MARTIN	2	7.60	19	18.17	20.10
60 MECKLENBURG	66	15.78	284	17.41	20.14
61 MITCHELL	6	41.80	26	45.04	24.57
62 MONTGOMERY	6	26.26	27	30.06	24.74
63 MOORE	16	30.94	45	22.15	17.99
64 NASH	12	17.36	64	23.54	22.64
65 NEW HANOVER	19	17.72	85	20.31	21.09
66 NORTHAMPTON	9	39.87	31	34.27	25.88
67 ONSLOW	13	11.44	45	9.92	23.84
68 ORANGE	10	12.74	56	18.10	23.52
69 PAMLICO	2	18.77	10	24.03	20.92
70 PASQUOTANK	10	35.11	45	39.61	36.23
71 PENDER	6	26.34	17	19.03	15.61
72 PERQUIMANS	2	20.91	9	23.55	17.04
73 PERSON	3	10.08	15	12.79	12.22
74 PITT	20	21.37	89	24.38	30.08
75 POLK	7	51.41	25	47.39	25.10
76 RANDOLPH	9	9.65	47	12.76	15.00
77 RICHMOND	5	10.97	22	12.09	11.33
78 ROBESON	21	20.24	71	17.35	19.65
79 ROCKINGHAM	17	20.02	71	21.14	19.99
80 ROWAN	25	24.69	122	30.59	23.91
81 RUTHERFORD	14	25.50	53	24.47	19.58
82 SAMPSON	7	14.06	28	14.10	13.83
83 SCOTLAND	6	18.05	25	19.18	21.42
84 STANLY	5	10.30	33	17.09	15.41
85 STOKES	15	43.26	50	37.22	38.16
86 SURRY	14	23.11	67	28.08	19.01
87 SWAIN	2	19.02	17	40.96	27.73
88 TRANSYLVANIA	4	16.41	15	15.79	15.09
89 TYRRELL	1	23.37	3	18.29	18.76
90 UNION	13	17.79	46	16.19	18.78
91 VANCE	15	40.40	48	32.61	27.23
92 WAKE	40	12.71	179	14.67	19.71
93 WARREN	8	48.54	33	50.45	32.35
94 WASHINGTON	4	27.73	12	20.39	21.56
95 WATAUGA	4	12.03	26	20.16	15.96
96 WAYNE	19	19.46	74	18.99	21.92
97 WILKES	20	33.47	52	21.97	20.65
98 WILSON	21	33.05	69	27.33	29.82
99 YADKIN	9	30.72	23	19.99	15.43
100 YANCEY	6	39.46	20	33.27	18.43

* SEE SECTION I

INFLUENZA AND PNEUMONIA

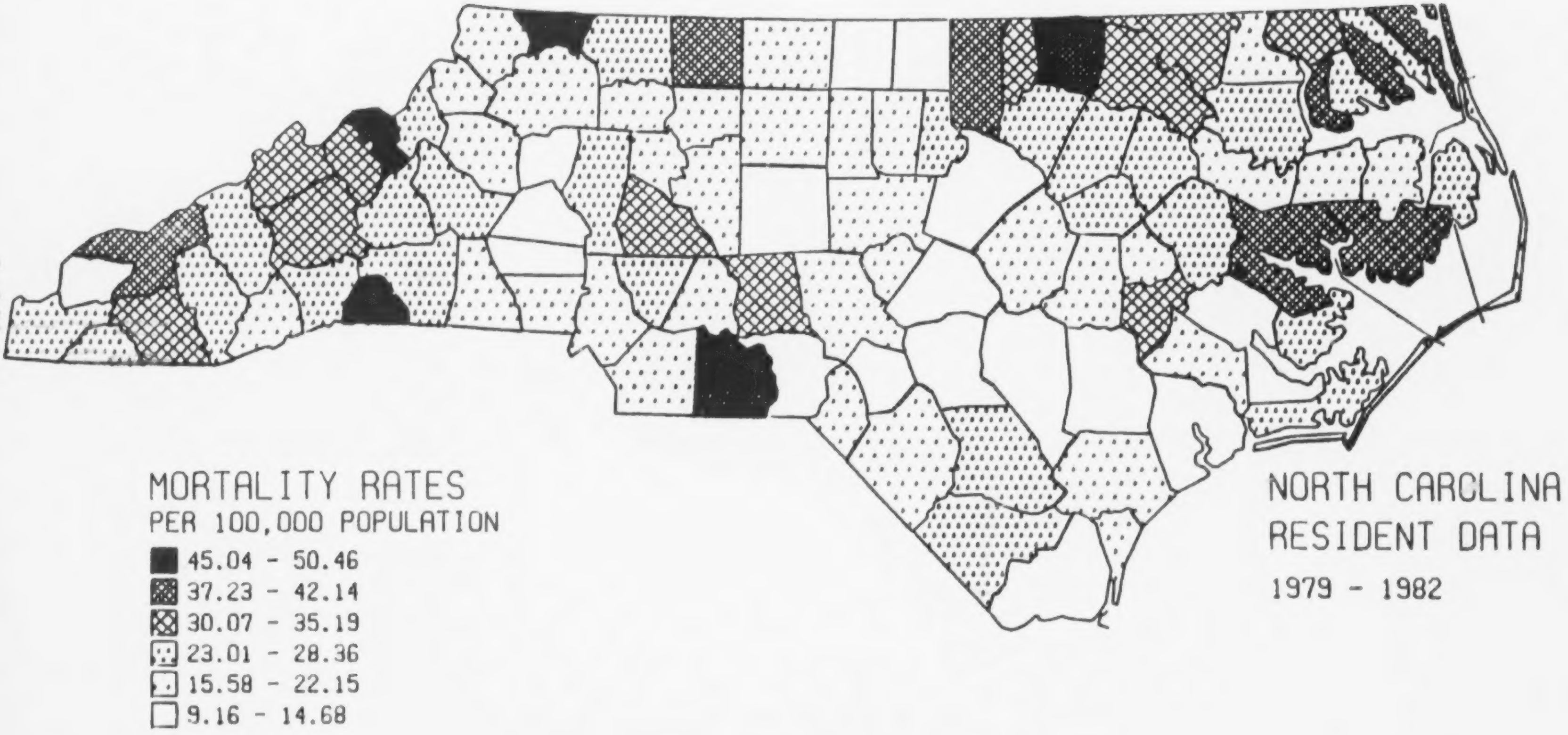

MORTALITY RATES
PER 100,000 POPULATION
■ 45.04 - 50.46
▩ 37.23 - 42.14
▨ 30.07 - 35.19
⁚ 23.01 - 28.36
· 15.58 - 22.15
☐ 9.16 - 14.68
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 20.A

INFLUENZA AND PNEUMONIA

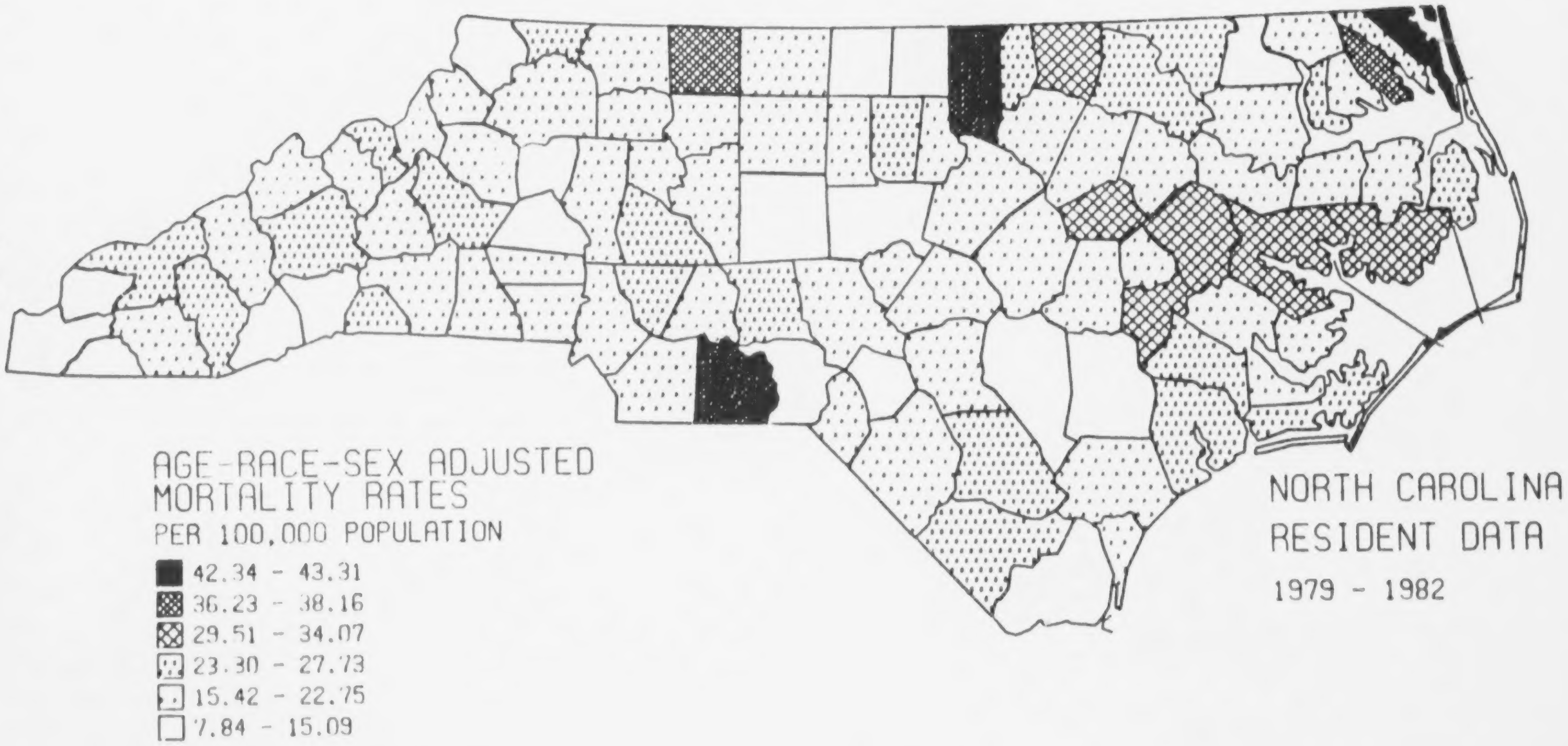

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 42.34 - 43.31
▩ 36.23 - 38.16
▨ 29.51 - 34.07
⁘ 23.30 - 27.73
⁚ 15.42 - 22.75
☐ 7.84 - 15.09
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 20.B

TABLE 21

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	1358	22.56	4966	20.96	20.96
REGIONS					
DHR I WESTERN	485	23.49	1773	21.86	19.49
DHR II N. CENTRAL	291	22.67	1134	22.36	21.38
DHR III S. CENTRAL	296	21.26	1042	19.05	23.47
DHR IV EASTERN	286	22.37	1017	20.16	22.16
HSA I WESTERN	296	28.42	1025	25.01	20.37
HSA II PIEDMONT	263	23.19	999	22.29	21.47
HSA III S. PIEDMONT	189	18.46	748	18.65	18.75
HSA IV CAPITAL	183	21.70	676	20.47	23.34
HSA V CARDINAL	192	20.88	673	18.60	22.17
HSA VI EASTERN	235	22.21	845	20.20	22.59
COUNTIES					
1 ALAMANCE	29	28.95	88	22.09	19.52
2 ALEXANDER	4	15.42	18	17.76	23.25
3 ALLEGHANY	3	30.39	11	28.33	16.01
4 ANSON	1	3.89	18	17.60	17.87
5 ASHE	9	39.25	25	27.82	16.14
6 AVERY	7	47.01	25	42.79	30.50
7 BEAUFORT	13	31.07	35	21.34	19.69
8 BERTIE	4	18.66	11	12.98	9.60
9 BLADEN	6	19.47	30	24.53	23.27
10 BRUNSWICK	8	20.53	28	18.97	17.45
11 BUNCOMBE	52	31.67	189	29.20	22.74
12 BURKE	24	32.51	56	19.23	18.36
13 CABARRUS	16	17.93	75	21.58	19.32
14 CALDWELL	14	20.64	57	21.07	22.02
15 CAMDEN	1	17.59	5	21.73	18.20
16 CARTERET	6	18.18	36	21.27	19.05
17 CASWELL	5	23.44	19	22.75	21.85
18 CATAWBA	21	19.43	70	16.52	16.49
19 CHATHAM	8	23.12	29	21.40	18.69
20 CHEROKEE	1	5.16	16	21.00	12.01
21 CHOWAN	3	23.82	11	21.80	17.58
22 CLAY	5	71.38	7	25.80	14.31
23 CLEVELAND	16	19.13	60	17.99	16.98
24 COLUMBUS	11	21.22	33	16.03	16.54
25 CRAVEN	14	18.98	54	18.76	25.48
26 CUMBERLAND	37	14.71	105	10.54	22.24
27 CURRITUCK	3	25.81	10	21.97	19.67
28 DARE	8	53.42	11	19.72	23.41
29 DAVIDSON	14	12.27	76	16.79	16.99
30 DAVIE	6	22.04	23	22.36	20.68
31 DUPLIN	10	24.18	40	24.41	22.26
32 DURHAM	42	26.91	141	22.91	25.56
33 EDGECOMBE	19	33.66	55	24.46	29.95
34 FORSYTH	66	26.48	234	23.82	24.15
35 FRANKLIN	2	6.50	25	20.63	20.00
36 GASTON	30	18.10	109	16.70	16.15
37 GATES	2	21.65	6	16.81	11.63
38 GRAHAM	2	28.16	6	21.06	13.60
39 GRANVILLE	6	17.02	32	23.24	20.05
40 GREENE	5	30.95	12	18.75	21.14
41 GUILFORD	71	22.22	259	20.39	20.70

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
CHRONIC OBSTRUCTIVE PULMONARY DISEASES CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	17	30.54	55	24.78	24.01
43 HARNETT	15	24.37	46	19.08	20.54
44 HAYWOOD	16	33.97	66	35.33	36.17
45 HENDERSON	18	29.10	72	30.18	16.76
46 HERTFORD	5	21.06	20	21.27	26.12
47 HOKE	2	9.06	13	15.59	25.41
48 HYDE	0	0.00	2	8.38	5.05
49 IREDELL	16	18.93	73	21.90	19.20
50 JACKSON	4	14.91	21	20.13	16.54
51 JOHNSTON	25	34.50	79	27.68	26.92
52 JONES	4	40.94	12	30.94	33.70
53 LEE	18	48.06	54	36.67	37.76
54 LENOIR	16	26.75	55	23.00	25.37
55 LINCOLN	13	30.15	26	15.31	13.33
56 MCDOWELL	11	30.42	46	32.51	23.95
57 MACON	7	32.39	21	25.20	11.92
58 MADISON	8	46.17	23	33.72	52.39 *
59 MARTIN	7	26.63	24	22.96	22.05
60 MECKLENBURG	76	18.17	293	17.96	21.58
61 MITCHELL	8	55.73	23	39.84	23.69
62 MONTGOMERY	5	21.88	21	23.38	20.25
63 MOORE	16	30.94	73	35.93	26.82
64 NASH	17	24.59	77	28.32	29.96
65 NEW HANOVER	27	25.18	89	21.26	22.48
66 NORTHAMPTON	7	31.01	19	21.00	24.18
67 ONSLOW	9	7.92	33	7.27	17.67
68 ORANGE	15	19.11	49	15.83	20.89
69 PAMLICO	1	9.38	9	21.62	17.84
70 PASQUOTANK	3	10.53	26	22.88	23.85
71 PENDER	5	21.95	22	24.62	24.50
72 PERQUIMANS	1	10.45	6	15.70	9.80
73 PERSON	3	10.08	18	15.34	14.64
74 PITT	21	22.44	68	18.63	25.00
75 POLK	5	36.72	24	45.50	25.98
76 RANDOLPH	19	20.38	66	17.93	15.69
77 RICHMOND	14	30.72	55	30.24	28.74
78 ROBESON	29	27.96	76	18.57	27.05
79 ROCKINGHAM	20	23.55	84	25.02	22.38
80 ROWAN	19	18.77	84	21.06	16.49
81 RUTHERFORD	16	29.15	57	26.31	20.28
82 SAMPSON	10	20.08	44	22.17	20.69
83 SCOTLAND	6	18.05	20	15.34	19.71
84 STANLY	7	14.42	42	21.76	17.24
85 STOKES	10	28.84	38	28.29	26.40
86 SURRY	17	28.06	86	36.04	28.12
87 SWAIN	5	47.56	12	28.91	22.80
88 TRANSYLVANIA	11	45.12	24	25.27	19.41
89 TYRRELL	2	46.75	8	48.79	33.93
90 UNION	12	16.42	46	16.19	17.04
91 VANCE	15	40.40	44	29.89	28.32
92 WAKE	47	14.93	189	15.49	21.46
93 WARREN	2	12.13	16	24.46	19.09
94 WASHINGTON	1	6.93	6	10.19	10.13
95 WATAUGA	7	21.06	25	19.39	36.67
96 WAYNE	21	21.50	76	19.51	25.89
97 WILKES	14	23.43	50	21.13	21.79
98 WILSON	13	20.46	63	24.96	28.07
99 YADKIN	6	20.48	26	22.60	18.74
100 YANCEY	6	52.61	21	34.93	21.00

* SEE SECTION I

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

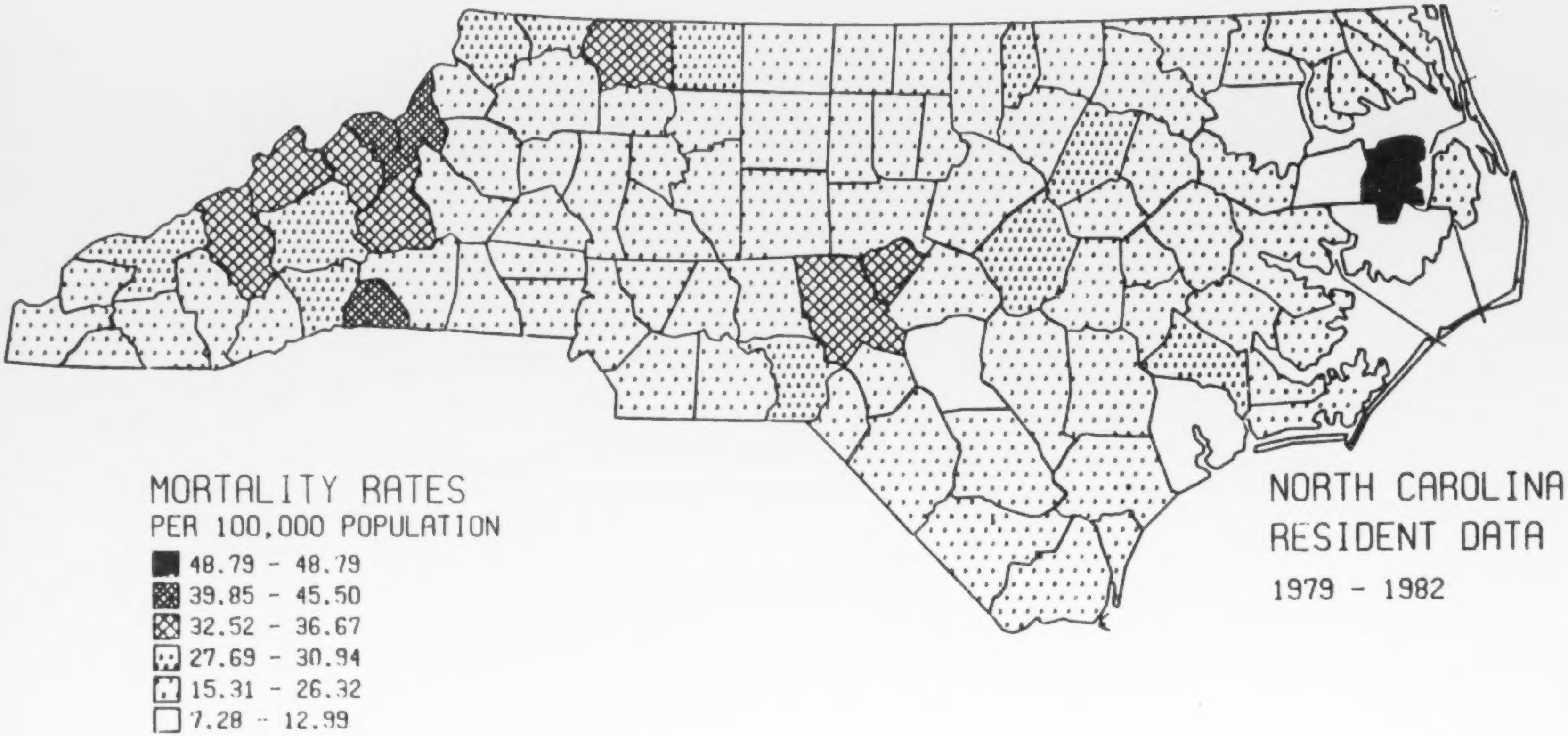

MORTALITY RATES
PER 100,000 POPULATION
■ 48.79 - 48.79
▩ 39.85 - 45.50
▨ 32.52 - 36.67
⬚ 27.69 - 30.94
⬚ 15.31 - 26.32
☐ 7.28 - 12.99
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 21.A

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

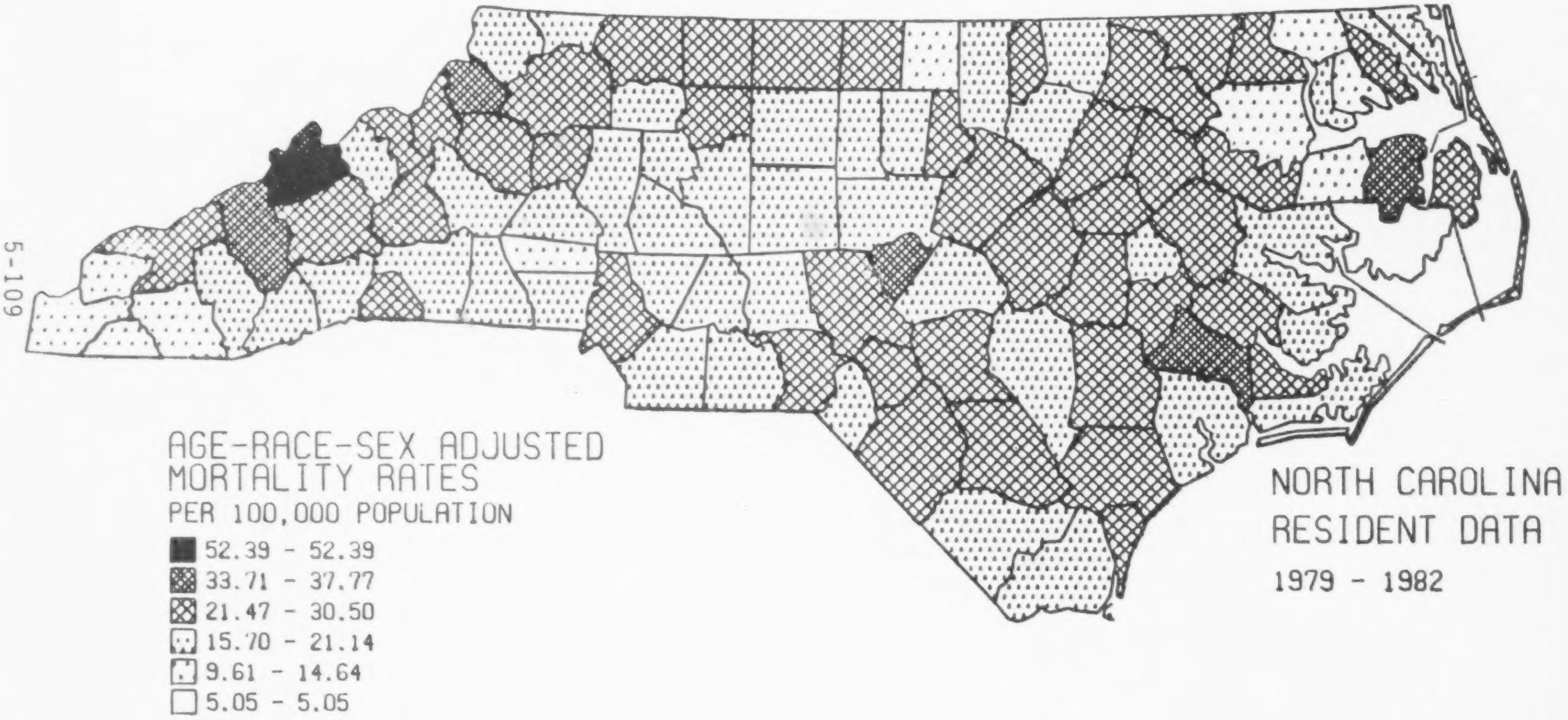

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 52.39 - 52.39
▩ 33.71 - 37.77
▨ 21.47 - 30.50
⬚ 15.70 - 21.14
⬚ 9.61 - 14.64
☐ 5.05 - 5.05
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 21.B

TABLE 22

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

CHRONIC LIVER DISEASE AND CIRRHOSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	610	10.13	2689	11.35	11.35
REGIONS					
DHR I WESTERN	202	9.78	950	11.71	12.50
DHR II N. CENTRAL	131	10.20	590	11.63	11.20
DHR III S. CENTRAL	128	9.19	554	10.12	10.92
DHR IV EASTERN	149	11.65	595	11.79	11.99
HSA I WESTERN	94	9.02	448	10.93	12.11
HSA II PIEDMONT	110	9.70	495	11.04	10.89
HSA III S. PIEDMONT	108	10.55	502	12.51	12.91
HSA IV CAPITAL	82	9.72	350	10.60	10.99
HSA V CARDINAL	85	9.24	402	11.11	11.76
HSA VI EASTERN	131	12.38	492	11.76	12.11
COUNTIES					
1 ALAMANCE	9	8.96	33	8.28	7.14
2 ALEXANDER	4	15.42	12	11.84	14.38
3 ALLEGHANY	0	0.00	4	10.30	7.38
4 ANSON	5	19.48	14	13.68	14.86
5 ASHE	0	0.00	2	2.22	1.66
6 AVERY	1	6.71	4	6.84	29.19*
7 BEAUFORT	2	4.78	20	12.19	11.09
8 BERTIE	6	27.99	14	16.52	20.72
9 BLADEN	1	3.24	6	4.90	4.93
10 BRUNSWICK	2	5.13	11	7.45	6.88
11 BUNCOMBE	14	8.52	79	12.20	12.64
12 BURKE	8	10.83	28	9.61	10.34
13 CABARRUS	8	8.96	37	10.65	11.31
14 CALDWELL	11	16.21	40	14.79	17.25
15 CAMDEN	0	0.00	2	8.69	8.14
16 CARTERET	5	20.46	24	14.18	12.03
17 CASWELL	3	14.06	5	5.98	4.84
18 CATAWBA	9	8.32	66	15.57	19.32
19 CHATHAM	2	5.78	9	6.64	5.73
20 CHEROKEE	1	5.16	8	10.50	7.28
21 CHOWAN	0	0.00	4	7.92	6.03
22 CLAY	0	0.00	2	7.37	3.99
23 CLEVELAND	5	5.98	26	7.79	7.71
24 COLUMBUS	3	5.78	18	8.74	8.50
25 CRAVEN	5	6.77	30	10.42	13.21
26 CUMBERLAND	14	5.56	85	8.53	12.31
27 CURRITUCK	1	8.60	3	6.59	5.26
28 DARE	2	13.35	8	14.34	8.91
29 DAVIDSON	9	7.89	42	9.28	9.64
30 DAVIE	3	11.02	11	10.69	8.92
31 DUPLIN	3	7.25	23	14.03	11.92
32 DURHAM	16	10.25	64	10.40	10.53
33 EDGECOMBE	5	8.85	22	9.78	10.45
34 FORSYTH	26	10.43	138	14.04	13.33
35 FRANKLIN	5	16.25	18	14.86	15.51
36 GASTON	17	10.25	81	12.41	12.94
37 GATES	0	0.00	1	2.80	5.30
38 GRAHAM	1	14.08	3	10.53	25.12
39 GRANVILLE	3	8.51	20	14.52	15.51
40 GREENE	0	0.00	4	6.25	7.15
41 GUILFORD	36	11.26	152	11.96	11.77

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
CHRONIC LIVER DISEASE AND CIRRHOSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	8	14.37	39	17.57	14.52
43 HARNETT	10	16.24	36	14.93	15.87
44 HAYWOOD	6	12.74	22	11.77	12.75
45 HENDERSON	7	11.31	35	14.67	17.45
46 HERTFORD	2	8.42	14	14.89	18.80
47 HOKE	1	4.53	9	10.79	12.56
48 HYDE	0	0.00	1	4.19	4.10
49 IREDELL	11	13.01	48	14.40	14.29
50 JACKSON	2	7.45	10	9.58	10.31
51 JOHNSTON	6	8.28	23	8.06	8.08
52 JONES	0	0.00	3	7.73	6.07
53 LEE	5	13.35	13	8.82	8.49
54 LENOIR	10	16.72	33	13.80	13.28
55 LINCOLN	4	9.27	14	8.24	8.97
56 MCDOWELL	2	5.53	10	7.06	5.34
57 MACON	1	4.62	7	8.40	4.62
58 MADISON	0	0.00	5	7.33	4.59
59 MARTIN	5	19.02	11	10.52	10.91
60 MECKLENBURG	41	9.80	231	14.16	14.36
61 MITCHELL	3	20.90	6	10.39	6.96
62 MONTGOMERY	4	17.51	11	12.24	11.52
63 MOORE	8	15.47	39	19.19	16.72
64 NASH	11	15.91	38	13.97	13.49
65 NEW HANOVER	12	11.19	61	14.57	14.61
66 NORTHAMPTON	5	22.15	8	8.84	6.61
67 ONSLOW	5	4.40	26	5.73	11.85
68 ORANGE	2	2.54	21	6.78	9.03
69 PAMLICO	3	28.16	6	14.41	11.39
70 PASQUOTANK	5	17.55	11	9.68	8.75
71 PENDER	1	4.39	13	14.55	13.14
72 PERQUIMANS	1	10.45	3	7.85	8.89
73 PERSON	3	10.08	18	15.34	14.05
74 PITT	14	14.96	32	8.76	9.87
75 POLK	3	22.03	8	15.16	15.33
76 RANDOLPH	8	8.58	30	8.15	10.43
77 RICHMOND	3	6.58	19	10.44	9.48
78 ROBESON	10	9.64	42	10.26	9.89
79 ROCKINGHAM	7	8.24	44	13.10	12.24
80 ROWAN	18	17.78	56	14.04	14.00
81 RUTHERFORD	4	7.28	17	7.84	7.26
82 SAMPSON	7	14.06	22	11.08	10.07
83 SCOTLAND	4	12.03	16	12.27	12.49
84 STANLY	5	10.30	20	10.36	10.09
85 STOKES	2	5.76	6	4.46	3.85
86 SURRY	3	4.95	20	8.38	6.53
87 SWAIN	3	28.53	9	21.68	20.31
88 TRANSYLVANIA	2	8.20	12	12.63	13.15
89 TYRRELL	1	23.37	2	12.19	12.57
90 UNION	4	5.47	15	5.28	6.31
91 VANCE	7	18.85	30	20.38	17.43
92 WAKE	30	9.53	125	10.24	12.03
93 WARREN	3	18.20	9	13.76	14.65
94 WASHINGTON	3	20.80	11	18.69	22.33
95 WATAUGA	2	6.01	12	9.30	8.82
96 WAYNE	16	16.38	58	14.88	15.74
97 WILKES	4	6.69	16	6.76	11.10
98 WILSON	9	14.16	41	16.24	14.89
99 YADKIN	4	13.65	14	12.16	19.40
100 YANCEY	1	6.57	5	8.31	18.02

* SEE SECTION I

CHRONIC LIVER DISEASE AND CIRRHOSIS

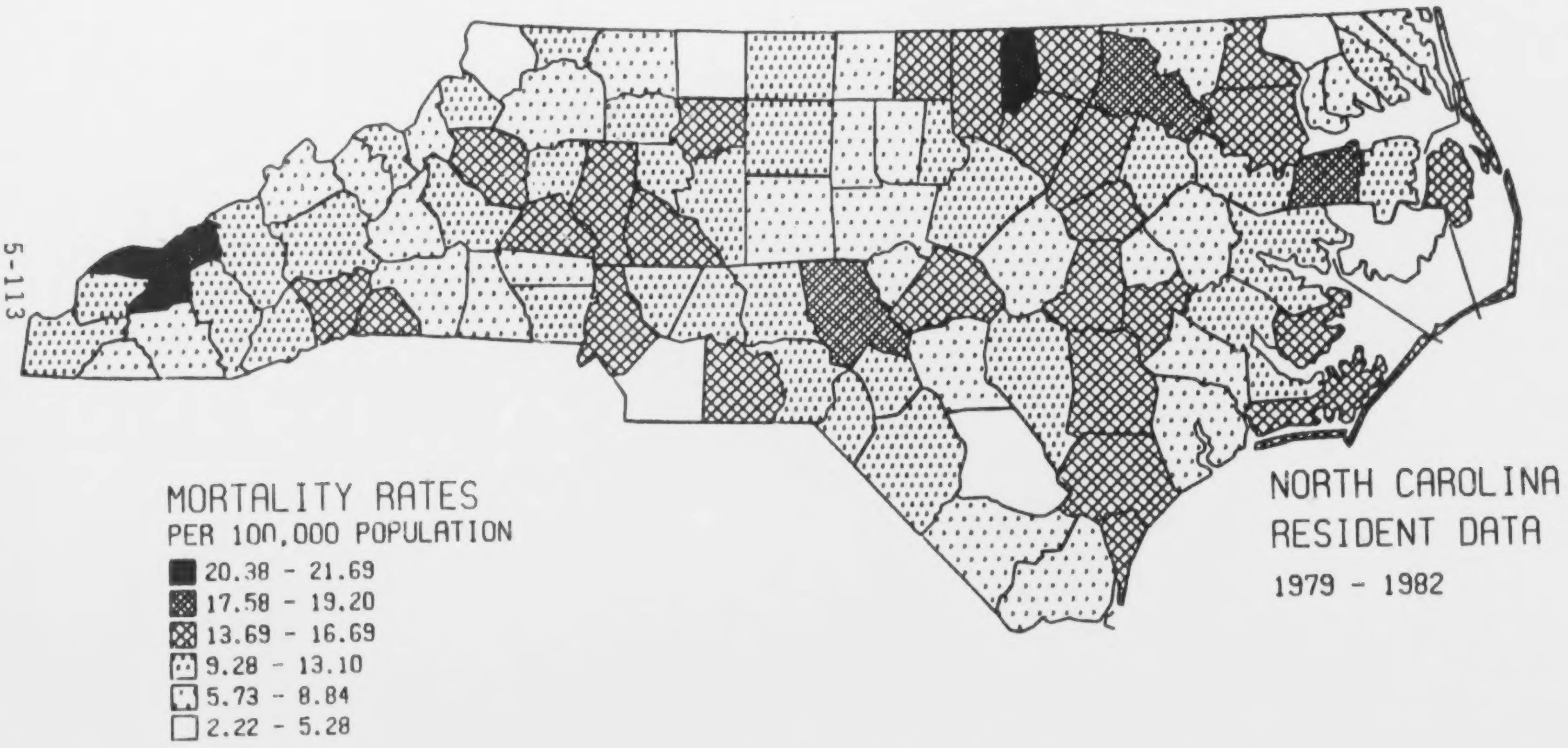

MORTALITY RATES
PER 100,000 POPULATION
■ 20.38 - 21.69
▩ 17.58 - 19.20
▨ 13.69 - 16.69
⬚ 9.28 - 13.10
⬚ 5.73 - 8.84
□ 2.22 - 5.28
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 22.A

CHRONIC LIVER DISEASE AND CIRRHOSIS

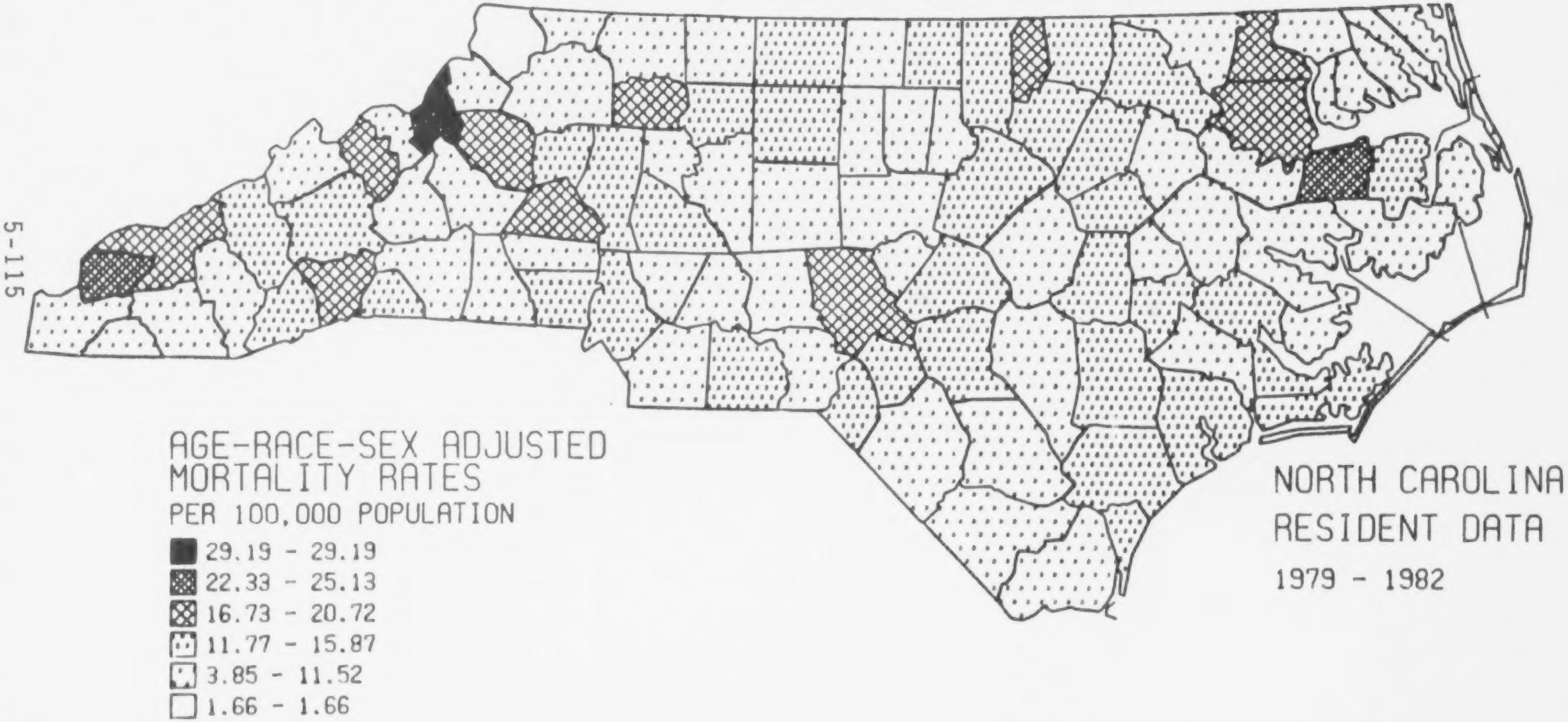

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 29.19 - 29.19
▩ 22.33 - 25.13
▨ 16.73 - 20.72
⚃ 11.77 - 15.87
⚀ 3.85 - 11.52
☐ 1.66 - 1.66
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 22.B

TABLE 23

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	514	8.54	1948	8.22	8.22
REGIONS					
DHR I WESTERN	170	8.23	640	7.89	8.23
DHR II N. CENTRAL	109	8.49	420	8.28	8.13
DHR III S. CENTRAL	121	8.69	443	8.09	8.63
DHR IV EASTERN	114	8.91	445	8.82	8.00
HSA I WESTERN	76	7.29	290	7.07	6.79
HSA II PIEDMONT	85	7.49	332	7.40	7.62
HSA III S. PIEDMONT	94	9.18	350	8.72	9.45
HSA IV CAPITAL	85	10.08	306	9.26	9.11
HSA V CARDINAL	70	7.61	281	7.76	7.94
HSA VI EASTERN	104	9.83	389	9.30	8.42
COUNTIES					
1 ALAMANCE	9	8.98	24	6.02	5.77
2 ALEXANDER	1	3.85	12	11.84	11.19
3 ALLEGHANY	3	30.39	8	20.60	15.56*
4 ANSON	3	11.69	16	15.64	12.16
5 ASHE	2	8.72	7	7.79	4.49
6 AVERY	1	6.71	4	6.84	5.38
7 BEAUFORT	1	2.39	11	6.70	5.51
8 BERTIE	5	23.32	14	16.52	7.33
9 BLADEN	5	16.23	17	13.90	10.46
10 BRUNSWICK	0	0.00	7	4.74	4.45
11 BUNCOMBE	14	8.52	42	6.49	5.65
12 BURKE	5	6.77	17	5.83	5.74
13 CABARRUS	9	10.09	33	9.49	9.31
14 CALDWELL	7	10.32	21	7.76	10.92
15 CAMDEN	2	35.18	3	13.04	9.10
16 CARTERET	0	0.00	17	10.04	13.18
17 CASWELL	2	9.37	6	7.18	4.37
18 CATAWBA	4	3.70	19	4.48	5.63
19 CHATHAM	3	8.67	11	8.11	7.05
20 CHEROKEE	0	0.00	4	5.25	2.78
21 CHOWAN	0	0.00	9	17.84	8.25
22 CLAY	1	14.27	1	3.68	1.57
23 CLEVELAND	8	9.56	23	6.89	6.71
24 COLUMBUS	3	5.78	24	11.66	10.70
25 CRAVEN	9	12.20	28	9.73	11.72
26 CUMBERLAND	12	4.77	34	3.41	5.51
27 CURRITUCK	0	0.00	2	4.39	4.79
28 DARE	1	6.67	5	8.96	8.11
29 DAVIDSON	9	7.89	35	7.73	8.50
30 DAVIE	1	3.67	6	5.83	6.28
31 DUPLIN	4	9.67	13	7.93	6.55
32 DURHAM	19	12.17	71	11.53	9.81
33 EDGECOMBE	6	10.63	16	7.11	5.40
34 FORSYTH	24	9.63	81	8.24	7.83
35 FRANKLIN	6	19.50	24	19.81	13.80
36 GASTON	12	7.24	55	8.42	11.13
37 GATES	1	10.82	3	8.40	6.22
38 GRAHAM	0	0.00	2	7.02	5.37
39 GRANVILLE	7	19.86	22	15.98	12.24
40 GREENE	0	0.00	4	6.25	7.84
41 GUILFORD	18	5.63	83	6.53	6.66

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	7	12.57	23	10.36	9.41
43 HARNETT	7	11.37	23	9.54	9.60
44 HAYWOOD	2	4.24	14	7.49	4.88
45 HENDERSON	3	4.85	14	5.86	4.57
46 HERTFORD	3	12.63	11	11.70	8.15
47 HOKE	1	4.53	9	10.79	10.50
48 HYDE	1	16.80	5	20.97	19.84*
49 IREDELL	5	5.91	25	7.50	7.40
50 JACKSON	2	7.45	5	4.79	5.86
51 JOHNSTON	13	17.94	33	11.56	11.31
52 JONES	1	10.23	5	12.89	12.12
53 LEE	7	18.69	16	10.86	11.39
54 LENOIR	8	13.37	25	10.45	8.06
55 LINCOLN	6	13.91	16	9.42	10.58
56 MCDOWELL	3	8.29	13	9.18	9.24
57 MACON	2	9.25	11	13.20	6.10
58 MADISON	2	11.54	6	8.79	5.82
59 MARTIN	3	11.41	25	23.91	20.08
60 MECKLENBURG	31	7.41	117	7.17	8.18
61 MITCHELL	0	0.00	9	15.59	8.54
62 MONTGOMERY	0	0.00	11	12.24	10.13
63 MOORE	1	1.93	13	6.39	5.15
64 NASH	17	24.59	34	12.50	11.18
65 NEW HANOVER	6	5.59	21	5.01	4.96
66 NORTHAMPTON	2	8.86	9	9.95	5.23
67 ONSLOW	3	2.64	18	3.97	9.86
68 ORANGE	5	6.37	24	7.75	9.51
69 PAMLICO	0	0.00	2	4.80	2.73
70 PASQUOTANK	0	0.00	11	9.68	6.36
71 PENDER	1	4.39	4	4.47	3.24
72 PERQUIMANS	2	20.91	8	20.93	11.73
73 PERSON	1	3.36	9	7.67	5.89
74 PITT	5	5.34	22	6.02	5.53
75 POLK	1	7.34	7	13.27	10.39
76 RANDOLPH	9	9.65	23	6.24	7.57
77 RICHMOND	8	17.55	24	13.19	11.52
78 ROBESON	11	10.60	43	10.50	9.30
79 ROCKINGHAM	7	8.24	36	10.72	10.33
80 ROWAN	13	12.84	41	10.28	8.37
81 RUTHERFORD	5	9.10	21	9.69	9.32
82 SAMPSON	6	12.05	19	9.57	7.91
83 SCOTLAND	6	18.05	16	12.27	11.01
84 STANLY	7	14.42	25	12.95	13.45
85 STOKES	2	5.76	13	9.67	13.76
86 SURRY	3	4.95	19	7.96	8.86
87 SWAIN	2	19.02	4	9.63	6.18
88 TRANSYLVANIA	1	4.10	2	2.10	1.29
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	11	15.05	38	13.37	16.17
91 VANCE	4	10.77	18	12.23	8.74
92 WAKE	14	4.44	63	5.16	6.61
93 WARREN	6	36.40	15	22.93	7.33
94 WASHINGTON	2	13.86	6	10.19	6.05
95 WATAUGA	2	6.01	6	4.65	3.43
96 WAYNE	15	15.36	38	9.75	11.01
97 WILKES	3	5.02	14	5.91	7.37
98 WILSON	6	9.44	22	8.71	7.26
99 YADKIN	1	3.41	6	5.21	7.29
100 YANCEY	2	13.15	4	6.65	4.43

* SEE SECTION I

NEPHRITIS, NEPHROITC SYNDROME & NEPHROSIS

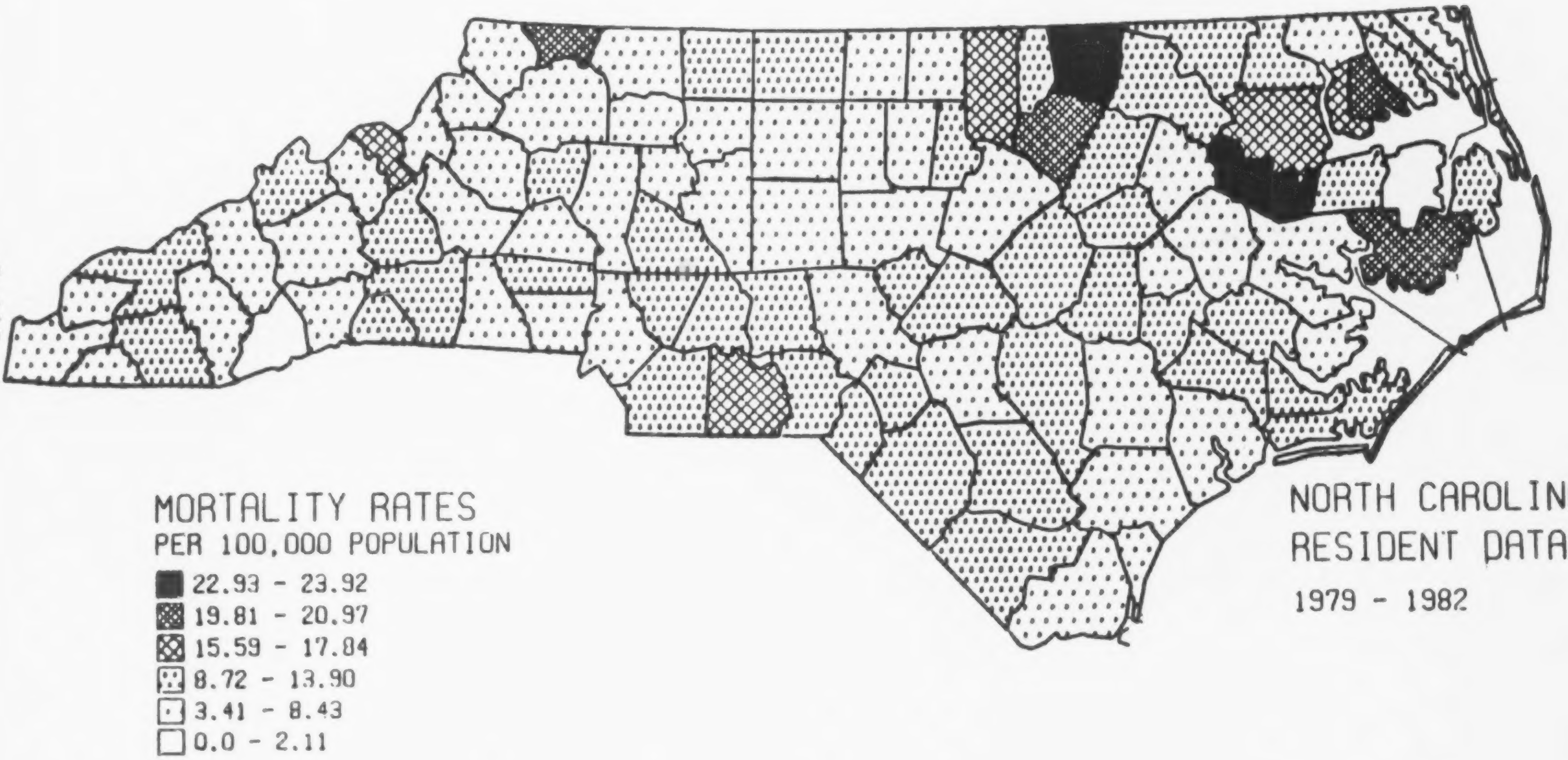

MORTALITY RATES
PER 100,000 POPULATION
■ 22.93 - 23.92
▩ 19.81 - 20.97
▨ 15.59 - 17.84
⁙ 8.72 - 13.90
· 3.41 - 8.43
☐ 0.0 - 2.11
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 23.A

NEPHRITIS,NEPHROITC SYNDROME & NEPHROSIS

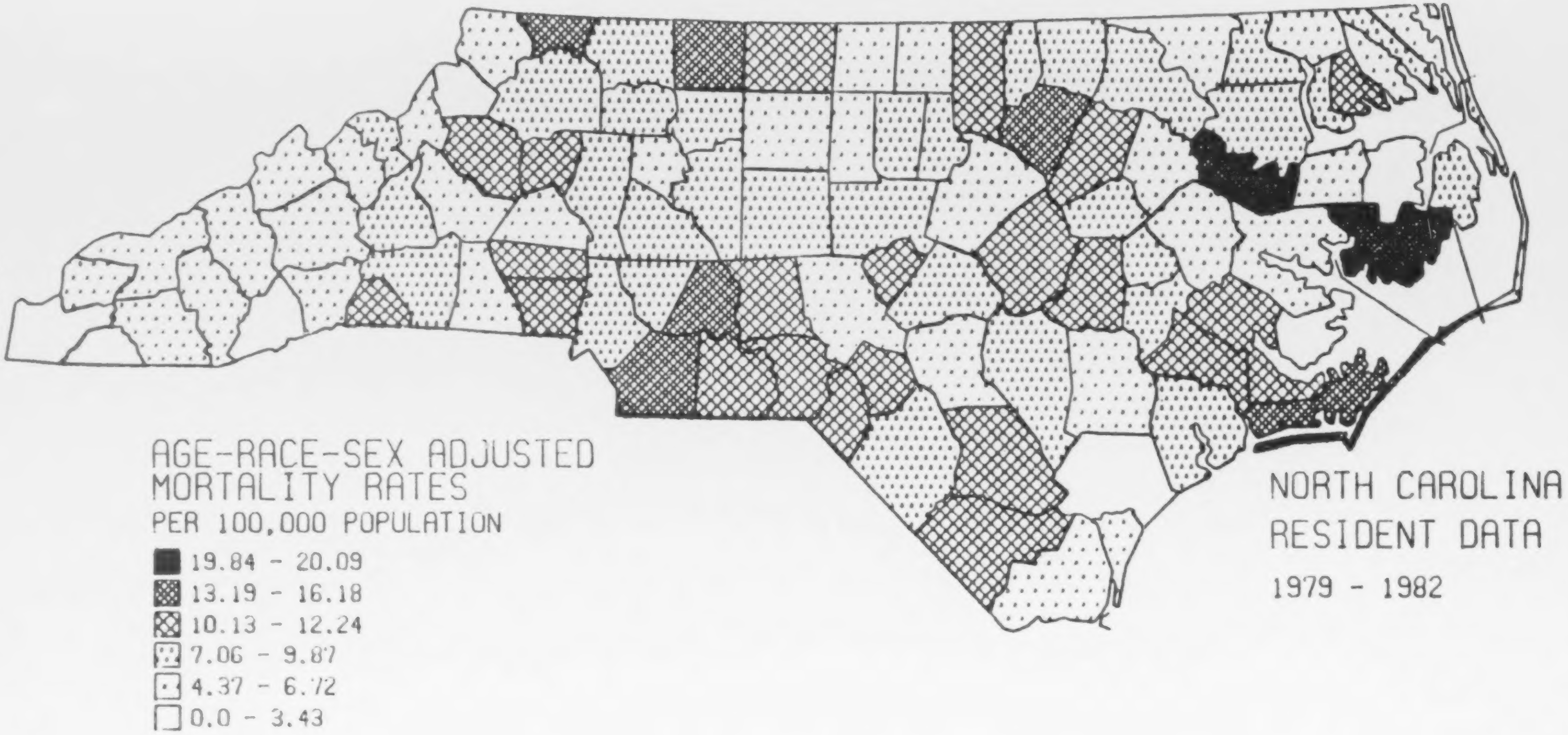

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 19.84 - 20.09
▩ 13.19 - 16.18
▨ 10.13 - 12.24
▦ 7.06 - 9.87
⊡ 4.37 - 6.72
☐ 0.0 - 3.43
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 23.B

TABLE 24

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

MOTOR VEHICLE ACCIDENTS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
NORTH CAROLINA	1360	22.59	5992	25.29	25.29
REGIONS					
DHR I WESTERN	434	21.02	1918	23.65	23.95
DHR II N. CENTRAL	243	18.93	1255	24.75	25.33
DHR III S. CENTRAL	328	23.56	1423	26.01	25.17
DHR IV EASTERN	355	27.76	1396	27.68	26.95
HSA I WESTERN	246	23.62	1023	24.96	25.96
HSA II PIEDMONT	207	18.25	1066	23.78	24.36
HSA III S. PIEDMONT	188	18.37	895	22.32	22.73
HSA IV CAPITAL	172	20.40	787	23.84	23.07
HSA V CARDINAL	264	28.72	1079	29.82	29.40
HSA VI EASTERN	283	26.75	1142	27.30	26.23
COUNTIES					
1 ALAMANCE	26	25.96	107	26.86	28.11
2 ALEXANDER	11	42.41	35	34.54	36.49
3 ALLEGHANY	5	50.66	11	28.33	66.12
4 ANSON	4	15.58	28	27.37	29.72
5 ASHE	6	26.16	20	22.25	17.67
6 AVERY	5	33.58	18	30.81	23.06
7 BEAUFORT	11	26.29	46	28.04	31.43
8 BERTIE	8	37.32	34	40.14	46.82
9 BLADEN	10	32.46	36	29.44	33.20
10 BRUNSWICK	20	51.34	60	40.66	41.53
11 BUNCOMBE	27	16.44	139	21.47	20.96
12 BURKE	22	29.80	60	20.60	19.34
13 CABARRUS	16	17.93	75	21.58	21.05
14 CALDWELL	17	25.06	65	24.03	25.59
15 CAMDEN	1	17.59	5	21.73	16.65
16 CARTERET	8	18.18	39	23.04	21.76
17 CASWELL	4	18.75	24	28.74	26.51
18 CATAWBA	26	24.05	114	26.90	25.46
19 CHATHAM	10	28.90	36	26.56	26.17
20 CHEROKEE	3	15.50	18	23.63	33.36
21 CHOWAN	5	39.70	14	27.75	26.07
22 CLAY	1	14.27	4	14.74	11.02
23 CLEVELAND	30	35.88	90	26.99	28.66
24 COLUMBUS	26	50.16	77	37.41	38.99
25 CRAVEN	14	18.98	56	19.46	18.89
26 CUMBERLAND	56	22.26	230	23.10	22.52
27 CURRITUCK	3	25.81	13	28.56	29.47
28 DARE	5	33.39	17	30.47	25.04
29 DAVIDSON	15	13.15	118	26.07	26.09
30 DAVIE	3	11.02	23	22.36	26.46
31 DUPLIN	10	24.18	56	34.18	35.89
32 DURHAM	20	12.81	81	13.16	12.85
33 EDGECOMBE	21	37.21	65	28.90	33.98
34 FORSYTH	40	16.05	204	20.76	21.04
35 FRANKLIN	12	39.01	54	44.58	40.72
36 GASTON	33	19.91	170	26.04	27.14
37 GATES	3	32.48	11	30.82	32.75
38 GRAHAM	0	0.00	8	28.08	22.65
39 GRANVILLE	6	22.70	45	32.69	32.38
40 GREENE	7	43.34	30	46.89	40.33
41 GUILFORD	54	16.90	259	20.39	20.77

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
MOTOR VEHICLE ACCIDENTS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	22	39.53	65	29.29	24.62
43 HARNETT	25	40.62	99	41.07	40.67
44 HAYWOOD	6	12.74	34	18.20	20.47
45 HENDERSON	18	29.10	58	24.31	26.14
46 HERTFORD	7	29.49	28	29.78	27.45
47 HOKE	6	27.18	23	27.58	29.20
48 HYDE	1	16.80	8	33.55	36.59
49 IREDELL	21	24.85	80	24.00	24.48
50 JACKSON	5	18.64	18	17.25	19.64
51 JOHNSTON	20	27.60	105	36.80	38.47
52 JONES	6	61.41	13	33.52	37.32
53 LEE	6	16.02	39	26.48	28.24
54 LENOIR	16	26.75	67	28.03	27.14
55 LINCOLN	11	25.51	46	27.09	27.08
56 MCDOWELL	6	16.59	33	23.32	27.13
57 MACON	7	32.39	20	24.00	28.95
58 MADISON	4	23.08	21	30.79	24.17
59 MARTIN	5	19.02	25	23.91	20.41
60 MECKLENBURG	63	15.06	313	19.19	19.59
61 MITCHELL	5	34.83	24	41.57	32.23
62 MONTGOMERY	9	39.40	28	31.18	31.53
63 MOORE	22	42.54	58	28.55	30.66
64 NASH	19	27.48	98	36.04	36.77
65 NEW HANOVER	21	19.58	89	21.26	21.00
66 NORTHAMPTON	8	35.44	26	28.74	26.74
67 ONSLOW	23	20.24	76	16.76	14.55
68 ORANGE	17	21.66	87	28.12	28.56
69 PAMLICO	6	56.33	19	45.66	51.63
70 PASQUOTANK	8	28.08	22	19.36	20.41
71 PENDER	5	21.95	28	31.34	32.18
72 PERQUIMANS	3	31.37	10	26.17	26.05
73 PERSON	3	10.08	28	23.87	25.06
74 PITT	19	20.30	94	25.75	27.17
75 POLK	3	22.03	7	13.27	8.26
76 RANDOLPH	15	16.09	102	27.71	33.10
77 RICHMOND	9	19.75	52	28.59	28.96
78 ROBESON	27	26.03	156	38.12	32.63
79 ROCKINGHAM	18	21.20	102	30.38	31.30
80 ROWAN	18	17.78	92	27.07	23.36
81 RUTHERFORD	9	16.39	69	31.86	30.63
82 SAMPSON	17	34.15	69	34.76	35.78
83 SCOTLAND	7	21.06	46	35.30	35.88
84 STANLY	9	18.54	47	24.35	25.81
85 STOKES	10	28.84	37	27.54	29.05
86 SURRY	11	18.16	56	23.47	24.70
87 SWAIN	2	19.02	21	50.60	56.10
88 TRANSYLVANIA	3	12.30	16	16.85	13.98
89 TYRRELL	3	70.12	4	24.39	20.16
90 UNION	17	23.27	72	25.34	26.26
91 VANCE	6	21.54	39	26.49	30.04
92 WAKE	63	20.02	250	20.49	19.89
93 WARREN	5	30.34	23	35.16	37.22
94 WASHINGTON	1	6.93	9	15.29	13.85
95 WATAUGA	3	9.02	27	20.94	16.41
96 WAYNE	22	22.53	118	30.29	30.60
97 WILKES	15	25.10	72	30.42	39.33
98 WILSON	18	28.33	74	29.32	31.19
99 YADKIN	11	37.54	34	29.55	30.66
100 YANCEY	7	46.04	21	34.93	27.95

* SEE SECTION I

MOTOR VEHICLE ACCIDENTS

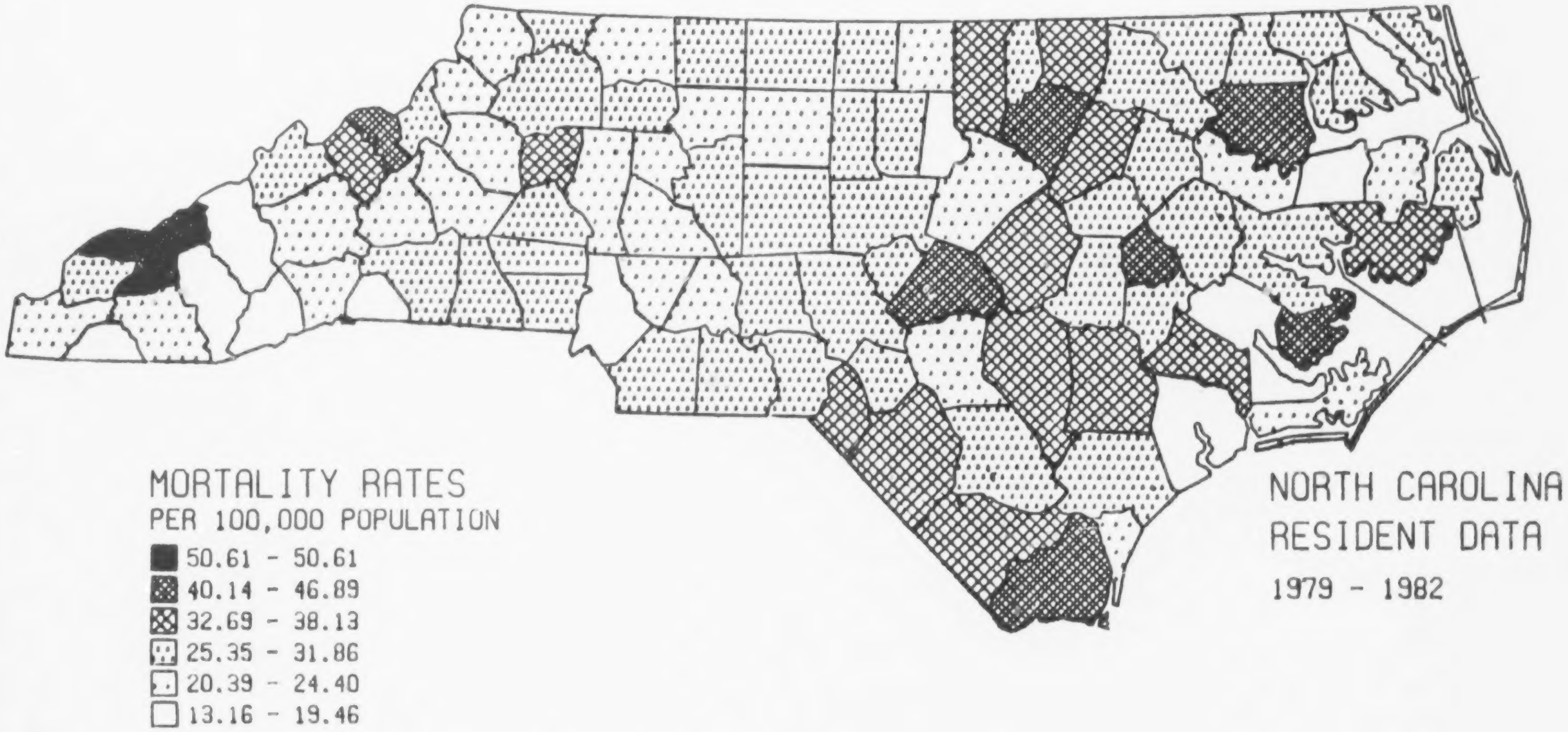

MORTALITY RATES
PER 100,000 POPULATION
■ 50.61 - 50.61
▩ 40.14 - 46.89
▨ 32.69 - 38.13
⠿ 25.35 - 31.86
⠃ 20.39 - 24.40
☐ 13.16 - 19.46
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 24.A

MOTOR VEHICLE ACCIDENTS

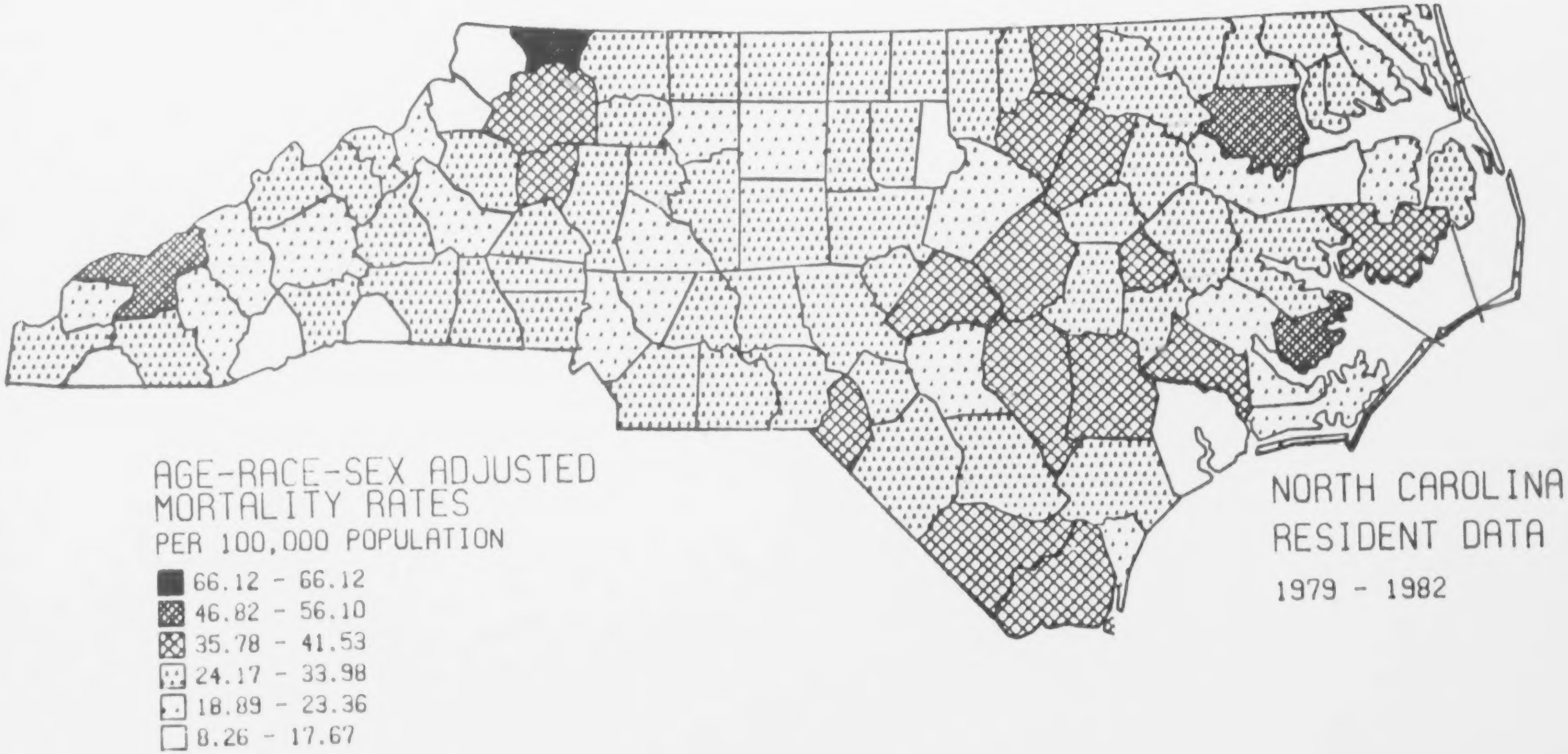

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 66.12 - 66.12
▩ 46.82 - 56.10
▨ 35.78 - 41.53
⁙ 24.17 - 33.98
⁚ 18.89 - 23.36
☐ 8.26 - 17.67
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 24.B

TABLE 25

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

ALL OTHER ACCIDENTS AND ADVERSE EFFECTS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	1371	22.77	5945	25.09	25.09
REGIONS					
DHR I WESTERN	481	23.29	2016	24.86	25.30
DHR II N. CENTRAL	281	21.89	1209	23.84	23.74
DHR III S. CENTRAL	295	21.19	1341	24.51	24.87
DHR IV EASTERN	314	24.56	1379	27.34	26.54
HSA I WESTERN	256	24.58	1097	26.77	27.57
HSA II PIEDMONT	245	21.60	1019	22.73	23.22
HSA III S. PIEDMONT	225	21.98	919	22.91	23.61
HSA IV CAPITAL	169	20.04	779	23.59	23.68
HSA V CARDINAL	207	22.51	995	27.50	27.08
HSA VI EASTERN	269	25.43	1136	27.16	26.21
COUNTIES					
1 ALAMANCE	28	27.96	90	22.59	21.83
2 ALEXANDER	6	23.13	32	31.57	36.62
3 ALLEGHANY	1	10.13	10	25.75	15.94
4 ANSON	6	23.38	30	29.33	25.08
5 ASHE	6	26.16	23	25.59	16.87
6 AVERY	4	26.86	13	22.25	16.65
7 BEAUFORT	20	47.80	58	35.36	33.04
8 BERTIE	5	23.32	33	38.96	35.87
9 BLADEN	14	45.44	50	40.89	37.36
10 BRUNSWICK	11	28.23	41	27.78	27.81
11 BUNCOMBE	39	23.75	169	26.11	25.05
12 BURKE	15	20.31	76	26.09	26.73
13 CABARRUS	16	17.93	82	23.60	24.87
14 CALDWELL	14	20.64	67	24.77	30.52
15 CAMDEN	1	17.59	18	78.24	80.48
16 CARTERET	4	9.09	36	21.27	23.99
17 CASWELL	2	9.37	20	23.95	23.02
18 CATAWBA	15	13.87	91	21.47	24.73
19 CHATHAM	7	20.23	29	21.40	18.56
20 CHEROKEE	3	15.50	19	24.94	17.87
21 CHOWAN	3	23.82	15	29.73	28.72
22 CLAY	3	42.83	11	40.55	26.61
23 CLEVELAND	15	22.72	87	26.09	27.35
24 COLUMBUS	15	28.93	78	37.89	36.61
25 CRAVEN	20	27.11	69	23.98	24.72
26 CUMBERLAND	43	17.09	197	19.79	23.08
27 CURRITUCK	2	17.20	15	32.96	36.60
28 DARE	5	33.39	16	28.68	27.06
29 DAVIDSON	21	18.41	102	22.54	27.52
30 DAVIE	4	14.69	17	16.53	14.72
31 DUPLIN	10	24.18	45	27.46	24.78
32 DURHAM	40	25.63	149	24.21	23.50
33 EDGECOMBE	26	46.06	75	33.35	32.12
34 FORSYTH	53	21.27	216	21.98	21.51
35 FRANKLIN	5	16.25	39	32.19	26.06
36 GASTON	33	19.91	161	24.66	26.83
37 GATES	1	10.82	7	19.61	18.77
38 GRAHAM	4	56.33	16	56.16	74.82
39 GRANVILLE	11	31.22	49	35.59	25.24
40 GREENE	3	18.57	15	23.44	28.21
41 GUILFORD	63	19.72	263	20.70	20.79

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
ALL OTHER ACCIDENTS AND ADVERSE EFFECTS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
42 HALIFAX	15	26.95	63	28.39	25.37
43 HARNETT	16	25.99	64	26.55	26.82
44 HAYWOOD	10	21.23	48	25.69	18.62
45 HENDERSON	20	32.34	80	32.54	32.36
46 HERTFORD	3	12.63	24	25.53	17.20
47 HOKE	5	22.65	27	32.38	34.75
48 HYDE	3	50.40	13	54.53	54.91
49 IREDELL	23	27.22	79	23.70	23.35
50 JACKSON	8	29.83	24	23.00	26.69
51 JOHNSTON	16	24.84	85	29.79	30.79
52 JONES	3	30.70	12	30.94	33.05
53 LEE	8	21.36	31	21.05	21.46
54 LENOIR	13	21.73	69	28.86	28.25
55 LINCOLN	8	18.55	40	23.56	24.48
56 MCDOWELL	11	30.42	40	28.27	26.42
57 MACON	4	18.51	21	25.20	30.70
58 MADISON	6	34.63	26	38.12	69.19
59 MARTIN	10	38.04	39	37.31	35.75
60 MECKLENBURG	92	22.00	356	21.82	22.79
61 MITCHELL	5	34.83	15	25.98	57.06 *
62 MONTGOMERY	5	21.88	23	25.61	24.49
63 MOORE	18	34.81	61	30.02	28.18
64 NASH	12	17.36	75	27.58	27.48
65 NEW HANOVER	13	12.12	93	22.22	22.85
66 NORTHAMPTON	9	39.87	23	25.43	17.06
67 ONSLOW	17	14.96	75	16.54	24.26
68 ORANGE	11	14.01	53	17.13	19.61
69 PAMLICO	2	18.77	14	33.64	29.02
70 PASQUOTANK	7	24.57	36	31.68	30.41
71 PENDER	6	26.34	31	34.70	34.20
72 PERQUIMANS	5	52.28	11	28.79	22.28
73 PERSON	7	23.53	34	28.99	27.98
74 PITT	18	19.23	93	25.48	25.24
75 POLK	6	44.06	23	43.60	34.51
76 RANDOLPH	23	24.67	79	21.46	26.02
77 RICHMOND	11	24.14	51	28.04	27.08
78 ROBESON	24	23.13	124	30.30	26.17
79 ROCKINGHAM	22	25.91	109	32.46	32.60
80 ROWAN	27	26.67	98	24.57	22.81
81 RUTHERFORD	16	29.15	72	33.24	32.66
82 SAMPSON	15	30.13	81	40.81	36.08
83 SCOTLAND	5	15.04	44	33.76	32.71
84 STANLY	13	26.79	55	28.49	26.92
85 STOKES	6	17.30	31	23.08	29.49
86 SURRY	16	26.41	62	25.98	33.30
87 SWAIN	4	38.05	13	31.32	27.38
88 TRANSYLVANIA	5	20.51	19	20.00	14.91
89 TYRRELL	1	25.37	5	30.49	17.07 *
90 UNION	13	17.79	48	16.89	18.29
91 VANCE	9	24.24	45	30.57	27.64
92 WAKE	49	15.57	242	19.84	22.95
93 WARREN	4	24.27	23	35.16	23.37
94 WASHINGTON	5	34.66	17	28.89	21.91
95 WATAUGA	8	24.07	26	20.16	17.64
96 WAYNE	25	25.60	87	22.33	21.69
97 WILKES	20	33.47	62	26.20	27.77
98 WILSON	21	33.05	78	30.90	29.14
99 YADKIN	7	23.89	30	26.07	31.79
100 YANCEY	4	26.30	14	23.29	16.29

* SEE SECTION I

ALL OTHER ACCIDENTS & ADVERSE EFFECTS

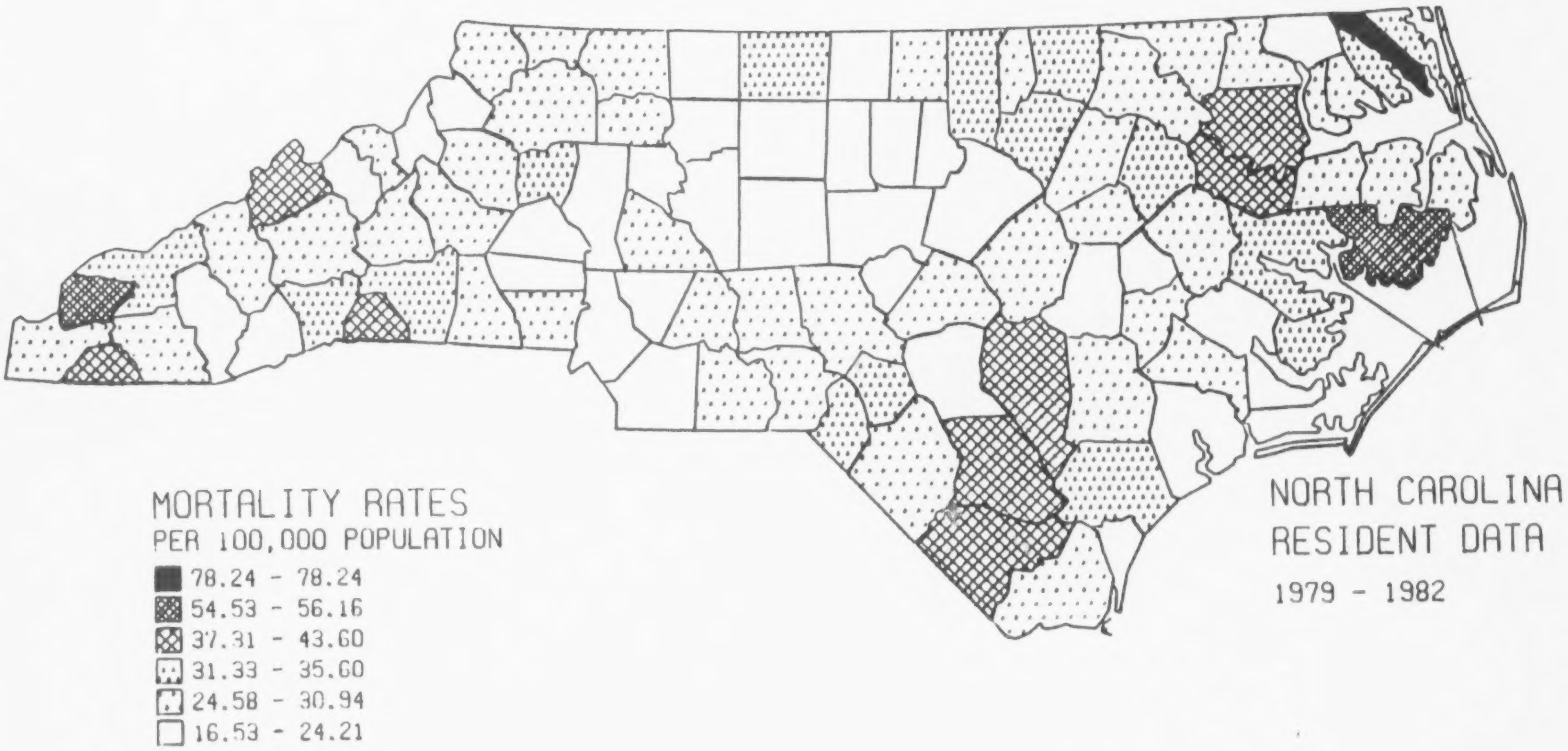

MORTALITY RATES
PER 100,000 POPULATION
■ 78.24 - 78.24
▩ 54.53 - 56.16
▨ 37.31 - 43.60
░ 31.33 - 35.60
░ 24.58 - 30.94
□ 16.53 - 24.21
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 25.A

ALL OTHER ACCIDENTS & ADVERSE EFFECTS

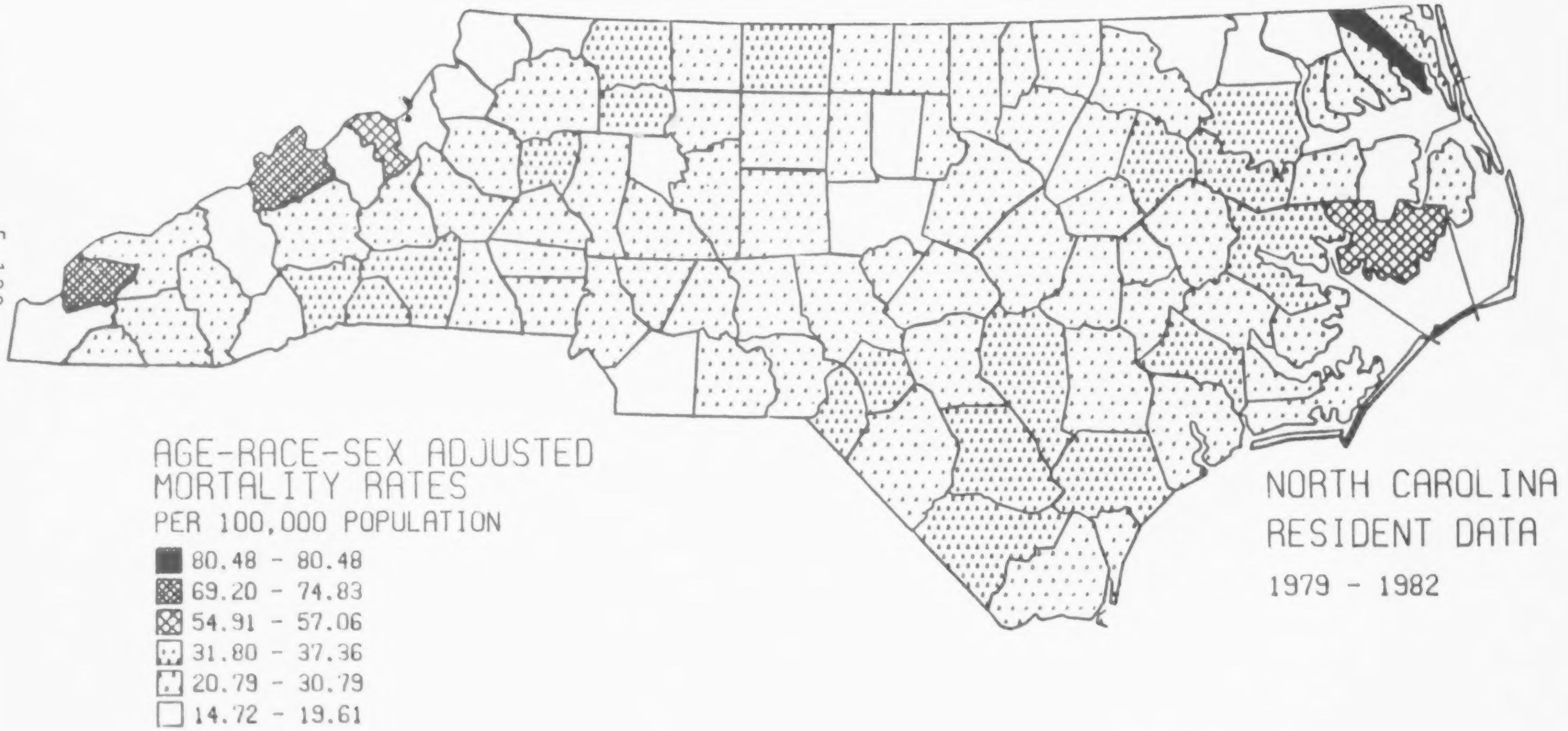

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 80.48 - 80.48
▩ 69.20 - 74.83
▨ 54.91 - 57.06
⁙ 31.80 - 37.36
∴ 20.79 - 30.79
☐ 14.72 - 19.61
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 25.B

TABLE 26

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

SUICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
NORTH CAROLINA	800	13.29	2926	12.35	12.35
REGIONS					
DHR I WESTERN	294	14.23	1050	12.95	11.98
DHR II N. CENTRAL	191	14.88	707	13.94	13.67
DHR III S. CENTRAL	167	11.99	602	11.00	11.86
DHR IV EASTERN	148	11.57	567	11.24	12.13
HSA I WESTERN	169	16.22	558	13.61	12.27
HSA II PIEDMONT	169	14.90	621	13.85	13.35
HSA III S. PIEDMONT	125	12.21	492	12.26	11.97
HSA IV CAPITAL	105	12.45	395	11.96	12.43
HSA V CARDINAL	113	12.29	403	11.13	12.34
HSA VI EASTERN	119	11.25	457	10.92	11.94
COUNTIES					
1 ALAMANCE	16	15.97	60	15.06	14.26
2 ALEXANDER	4	15.42	16	15.78	13.51
3 ALLEGHANY	2	20.26	10	25.75	17.68
4 ANSON	3	11.69	6	5.86	7.36
5 ASHE	4	17.44	21	23.37	18.58
6 AVERY	1	6.71	4	6.84	5.34
7 BEAUFORT	4	9.56	16	9.75	10.76
8 BERTIE	3	13.99	11	12.98	18.99
9 BLADEN	2	6.49	12	9.81	11.82
10 BRUNSWICK	5	12.83	18	12.19	11.55
11 BUNCOMBE	23	14.00	83	12.82	11.61
12 BURKE	11	14.90	29	9.95	8.24
13 CABARRUS	12	13.45	43	12.37	11.33
14 CALDWELL	15	22.11	49	18.12	15.61
15 CAMDEN	0	0.00	5	21.73	20.24
16 CARTERET	4	9.09	14	8.27	6.66
17 CASWELL	3	14.06	8	9.58	12.27
18 CATAWBA	11	10.17	46	10.85	10.83
19 CHATHAM	1	2.89	13	9.59	9.39
20 CHEROKEE	1	5.16	7	9.19	7.61
21 CHOWAN	4	31.76	6	11.89	12.10
22 CLAY	3	42.83	7	25.80	19.14
23 CLEVELAND	9	10.76	41	12.29	12.17
24 COLUMBUS	4	7.71	27	13.11	14.16
25 CRAVEN	5	6.77	26	9.03	10.38
26 CUMBERLAND	33	13.12	120	12.05	14.77
27 CURRITUCK	1	8.60	8	17.58	15.72
28 DARE	1	6.67	5	8.96	6.27
29 DAVIDSON	16	14.03	57	12.59	11.34
30 DAVIE	2	7.34	14	13.61	11.26
31 DUPLIN	4	9.67	13	7.93	7.41
32 DURHAM	19	12.17	58	9.42	10.24
33 EDGECOMBE	5	8.85	18	8.00	11.01
34 FORSYTH	39	15.65	140	14.25	14.33
35 FRANKLIN	3	9.75	15	12.38	13.30
36 GASTON	29	17.50	96	14.70	14.30
37 GATES	0	0.00	4	11.20	22.37
38 GRAHAM	2	28.16	5	17.55	14.11
39 GRANVILLE	5	14.19	18	13.07	13.69
40 GREENE	2	12.38	5	7.81	7.72
41 GUILFORD	43	13.45	165	12.99	13.10

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
SUICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	7	12.57	18	8.11	7.89
43 HARNETT	11	17.87	33	13.69	14.09
44 HAYWOOD	9	19.11	25	13.38	9.64
45 HENDERSON	10	16.17	27	11.32	10.63
46 HERTFORD	2	8.42	7	7.44	6.97
47 HOKE	2	9.06	8	9.59	12.10
48 HYDE	1	16.80	3	12.58	12.98
49 IREDELL	12	14.20	40	12.00	11.18
50 JACKSON	6	22.37	16	15.33	13.97
51 JOHNSTON	9	12.42	48	16.82	16.20
52 JONES	0	0.00	5	7.73	9.55
53 LEE	7	18.69	16	10.86	11.10
54 LENOIR	4	6.68	33	13.80	15.24
55 LINCOLN	5	11.59	19	11.19	10.74
56 MCDOWELL	3	8.29	14	9.89	7.70
57 MACON	5	23.14	13	15.60	22.60
58 MADISON	3	17.31	8	11.73	6.73
59 MARTIN	6	22.82	12	11.48	14.75
60 MECKLENBURG	48	11.48	182	11.15	11.78
61 MITCHELL	4	27.86	10	17.32	13.06
62 MONTGOMERY	3	13.13	14	15.59	15.76
63 MOORE	10	19.33	21	10.33	8.65
64 NASH	6	8.68	32	11.77	12.51
65 NEW HANOVER	16	14.92	52	12.42	12.38
66 NORTHAMPTON	3	13.29	10	11.05	11.19
67 ONSLOW	11	9.68	41	9.04	10.65
68 ORANGE	5	6.37	20	6.46	7.35
69 PAMLICO	2	18.77	8	19.22	18.45
70 PASQUOTANK	2	7.02	12	10.56	11.41
71 PENDER	4	17.56	13	14.55	14.89
72 PERQUIMANS	1	10.45	1	2.61	3.77
73 PERSON	9	30.25	26	22.16	23.20
74 PITT	19	20.30	47	12.87	14.11
75 POLK	3	22.03	9	17.06	14.96
76 RANDOLPH	19	20.38	55	14.94	13.84
77 RICHMOND	4	8.77	15	8.24	8.27
78 ROBESON	11	10.60	34	8.30	8.90
79 ROCKINGHAM	12	14.13	48	14.29	14.08
80 ROWAN	7	6.91	50	12.53	11.69
81 RUTHERFORD	13	23.68	28	12.92	12.02
82 SAMPSON	2	4.01	23	11.58	12.75
83 SCOTLAND	3	9.02	7	5.37	6.17
84 STANLY	6	12.36	24	12.43	11.73
85 STOKES	5	14.42	21	15.63	13.32
86 SURRY	12	19.81	41	17.18	13.86
87 SWAIN	1	9.51	8	19.27	20.83
88 TRANSYLVANIA	1	4.10	7	7.37	5.96
89 TYRRELL	0	0.00	1	6.09	6.14
90 UNION	6	8.21	38	13.37	13.32
91 VANCE	2	5.38	15	10.19	12.71
92 WAKE	42	13.34	154	12.62	12.95
93 WARREN	3	18.20	12	18.34	23.34
94 WASHINGTON	2	13.86	7	11.89	16.09
95 WATAUGA	8	24.07	28	21.71	18.29
96 WAYNE	10	10.24	46	11.80	13.71
97 WILKES	14	23.43	41	17.32	17.46
98 WILSON	10	15.74	45	17.83	18.97
99 YADKIN	2	6.82	12	10.43	7.91
100 YANCEY	3	19.73	6	9.98	7.96

* SEE SECTION I

SUICIDE

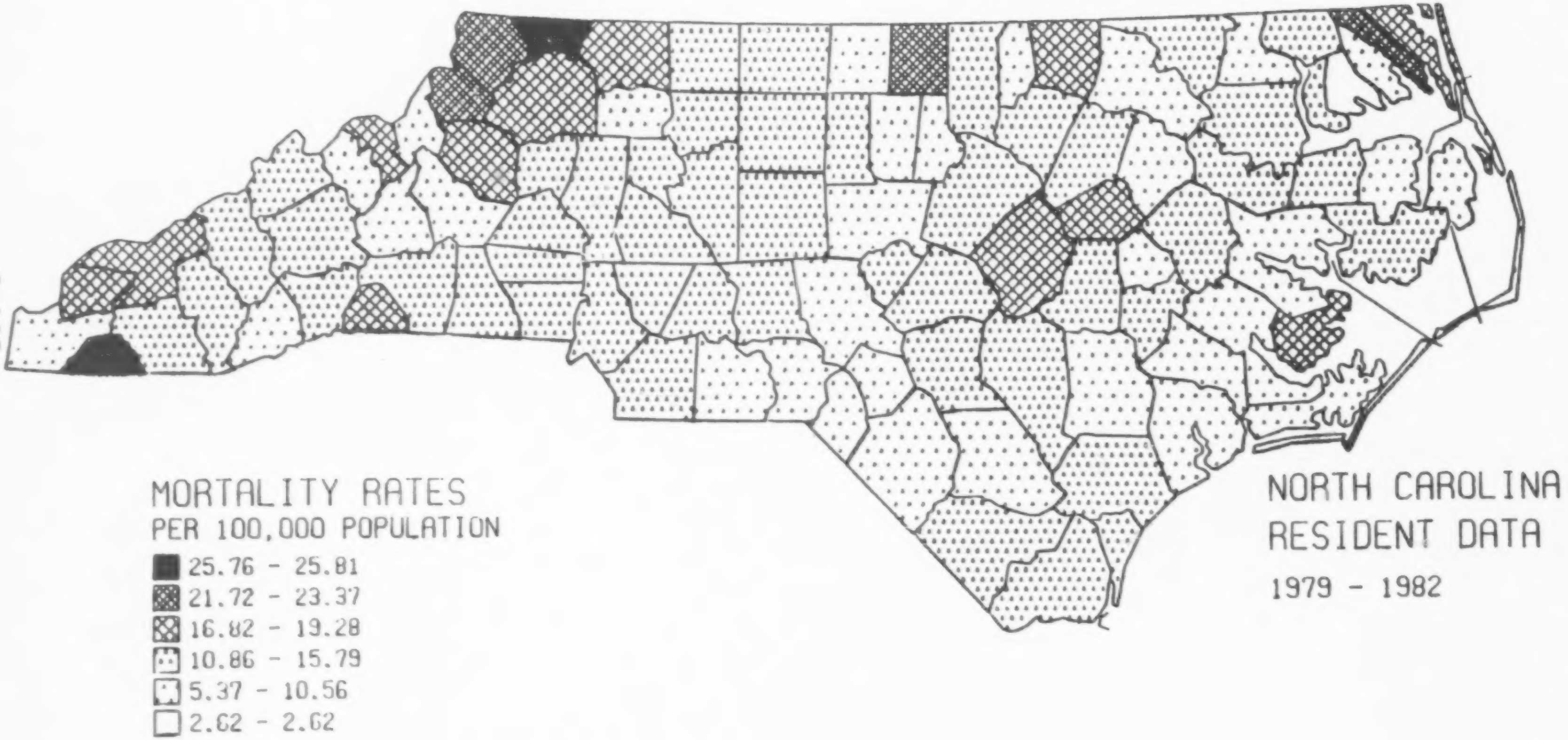

MORTALITY RATES
PER 100,000 POPULATION
■ 25.76 - 25.81
▩ 21.72 - 23.37
▨ 16.82 - 19.28
⁙ 10.86 - 15.79
⁚ 5.37 - 10.56
☐ 2.62 - 2.62
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 26.A

SUICIDE

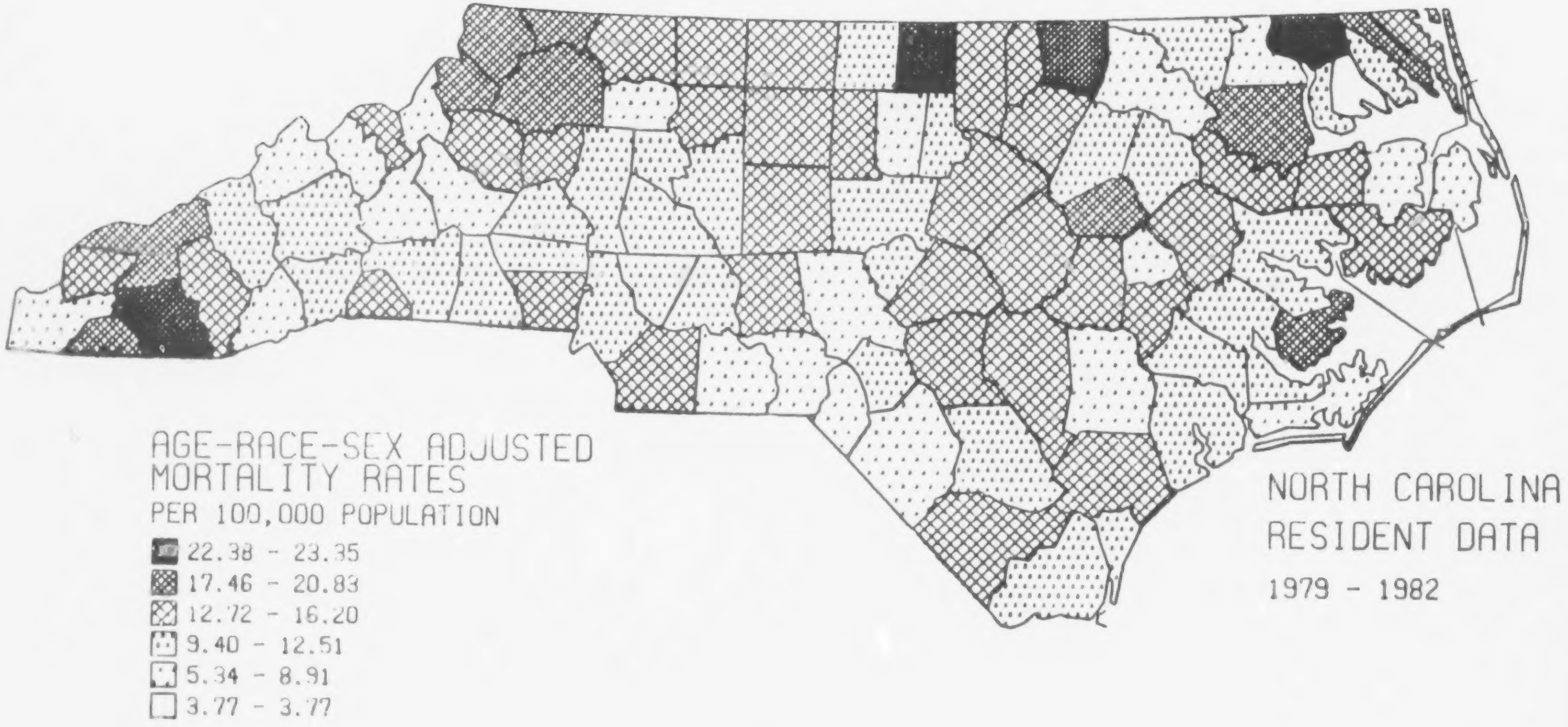

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▇ 22.38 - 23.35
▩ 17.46 - 20.83
▨ 12.72 - 16.20
⚃ 9.40 - 12.51
⁛ 5.34 - 8.91
☐ 3.77 - 3.77
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 26.B

TABLE 27

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

HOMICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
NORTH CAROLINA	631	10.48	2593	10.94	10.94
REGIONS					
DHR I WESTERN	185	8.96	820	10.11	12.70
DHR II N. CENTRAL	122	9.50	511	10.07	10.35
DHR III S. CENTRAL	177	12.71	710	12.98	11.50
DHR IV EASTERN	147	11.49	552	10.94	9.60
HSA I WESTERN	83	7.97	350	8.54	12.41
HSA II PIEDMONT	100	8.81	421	9.39	10.04
HSA III S. PIEDMONT	102	9.96	470	11.72	12.80
HSA IV CAPITAL	104	12.33	396	11.99	10.89
HSA V CARDINAL	119	12.94	489	13.51	11.90
HSA VI EASTERN	123	11.62	467	11.16	9.62
COUNTIES					
1 ALAMANCE	11	10.98	57	14.30	15.52
2 ALEXANDER	4	15.42	11	10.85	8.58
3 ALLEGHANY	0	0.00	2	5.15	4.52
4 ANSON	6	23.38	15	14.66	14.83
5 ASHE	1	4.36	5	5.56	4.66
6 AVERY	2	13.43	6	10.27	8.27
7 BEAUFORT	4	9.56	22	13.41	11.47
8 BERTIE	1	4.66	10	11.80	9.82
9 BLADEN	5	16.23	26	21.26	15.51
10 BRUNSWICK	5	12.83	11	7.45	7.89
11 BUNCOMBE	13	7.91	60	9.27	10.95
12 BURKE	9	12.19	29	9.95	12.15
13 CABARRUS	5	5.60	32	9.21	12.16
14 CALDWELL	8	11.79	30	11.09	15.55
15 CAMDEN	1	17.59	1	4.34	5.85
16 CARTERET	8	18.18	16	9.45	14.73
17 CASWELL	4	18.75	11	13.17	8.05
18 CATAWBA	8	7.40	42	9.91	16.26
19 CHATHAM	4	11.56	20	14.75	13.43
20 CHEROKEE	0	0.00	3	3.93	3.13
21 CHOWAN	0	0.00	5	9.91	9.54
22 CLAY	0	0.00	3	11.06	97.47*
23 CLEVELAND	8	9.56	35	10.49	11.77
24 COLUMBUS	8	15.43	32	15.54	14.56
25 CRAVEN	6	8.13	29	10.07	9.90
26 CUMBERLAND	28	11.13	131	13.16	11.31
27 CURRITUCK	1	8.60	6	13.18	14.97
28 DARE	2	13.35	3	5.37	4.88
29 DAVIDSON	8	7.01	39	8.61	10.95
30 DAVIE	2	7.34	6	5.83	9.48
31 DUPLIN	4	9.67	15	9.15	7.17
32 DURHAM	26	16.66	88	14.30	11.98
33 EDGECOMBE	4	7.08	32	14.23	9.63
34 FORSYTH	24	9.63	86	6.75	8.68
35 FRANKLIN	3	9.75	24	19.81	15.69
36 GASTON	12	7.24	78	11.95	15.23
37 GATES	2	21.65	2	5.60	2.59
38 GRAHAM	1	14.08	1	3.51	3.16
39 GRANVILLE	3	8.51	14	10.17	9.61
40 GREENE	2	12.38	8	12.50	9.01
41 GUILFORD	29	9.07	127	9.99	9.72

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
HOMICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
42 HALIFAX	5	8.98	19	8.56	5.44
43 HARNETT	9	14.62	43	17.84	18.53
44 HAYWOOD	1	2.12	5	2.67	2.18
45 HENDERSON	6	9.70	17	7.12	21.32
46 HERTFORD	4	16.85	9	9.57	5.50
47 HOKE	2	9.06	10	11.99	8.39
48 HYDE	1	16.80	3	12.58	8.24
49 IREDELL	8	9.46	29	8.70	10.62
50 JACKSON	4	14.91	12	11.50	12.56
51 JOHNSTON	8	11.04	33	11.56	12.60
52 JONES	1	10.23	2	5.15	3.28
53 LEE	2	5.34	16	10.86	11.34
54 LENOIR	10	16.72	33	13.80	10.77
55 LINCOLN	5	11.59	17	10.01	11.33
56 MCDOWELL	1	2.76	6	4.24	6.08
57 MACON	0	0.00	1	1.20	0.90
58 MADISON	2	11.54	10	14.66	11.54
59 MARTIN	1	3.80	6	5.74	4.89
60 MECKLENBURG	58	13.87	245	15.02	13.68
61 MITCHELL	0	0.00	1	1.73	1.35
62 MONTGOMERY	2	8.75	17	18.93	19.24
63 MOORE	4	7.73	22	10.82	12.06
64 NASH	16	26.04	44	16.18	14.99
65 NEW HANOVER	9	8.39	37	8.84	9.37
66 NORTHAMPTON	4	17.72	13	14.37	15.88
67 ONSLOW	8	7.04	38	8.38	7.48
68 ORANGE	5	6.37	22	7.11	7.95
69 PAMLICO	1	9.38	1	2.40	2.94
70 PASQUOTANK	3	10.53	12	10.56	10.47
71 PENDER	2	8.78	5	5.59	5.97
72 PERQUIMANS	0	0.00	4	10.46	10.86
73 PERSON	4	13.44	16	13.64	11.62
74 PITT	9	9.61	34	9.31	8.11
75 POLK	1	7.34	9	17.06	21.17
76 RANDOLPH	3	3.21	31	8.42	12.32
77 RICHMOND	10	21.94	37	20.34	20.45
78 ROBESON	17	16.39	65	15.88	11.80
79 ROCKINGHAM	11	12.95	38	11.31	12.08
80 ROWAN	9	8.89	37	9.27	10.28
81 RUTHERFORD	5	9.10	22	10.15	14.42
82 SAMPSON	8	16.07	26	13.10	11.18
83 SCOTLAND	4	12.03	12	9.20	8.40
84 STANLY	1	2.06	13	6.73	7.71
85 STOKES	2	5.76	8	5.95	9.07
86 SURRY	4	6.60	12	5.02	7.11
87 SWAIN	0	0.00	6	14.45	15.22
88 TRANSYLVANIA	1	4.10	6	6.31	5.22
89 TYRRELL	1	23.37	3	18.29	13.56
90 UNION	4	5.47	19	6.68	8.08
91 VANCE	5	13.46	22	14.94	13.43
92 WAKE	37	11.75	127	10.41	10.13
93 WARREN	7	42.47	14	21.40	13.48
94 WASHINGTON	2	13.86	5	8.49	4.85
95 WATAUGA	2	6.01	5	3.87	2.84
96 WAYNE	10	10.24	50	12.83	10.99
97 WILKES	5	8.36	19	8.02	12.58
98 WILSON	10	15.74	42	15.64	16.22
99 YADKIN	2	6.82	6	5.21	4.11
100 YANCEY	1	6.57	4	6.65	4.80

* SEE SECTION I

HOMICIDE

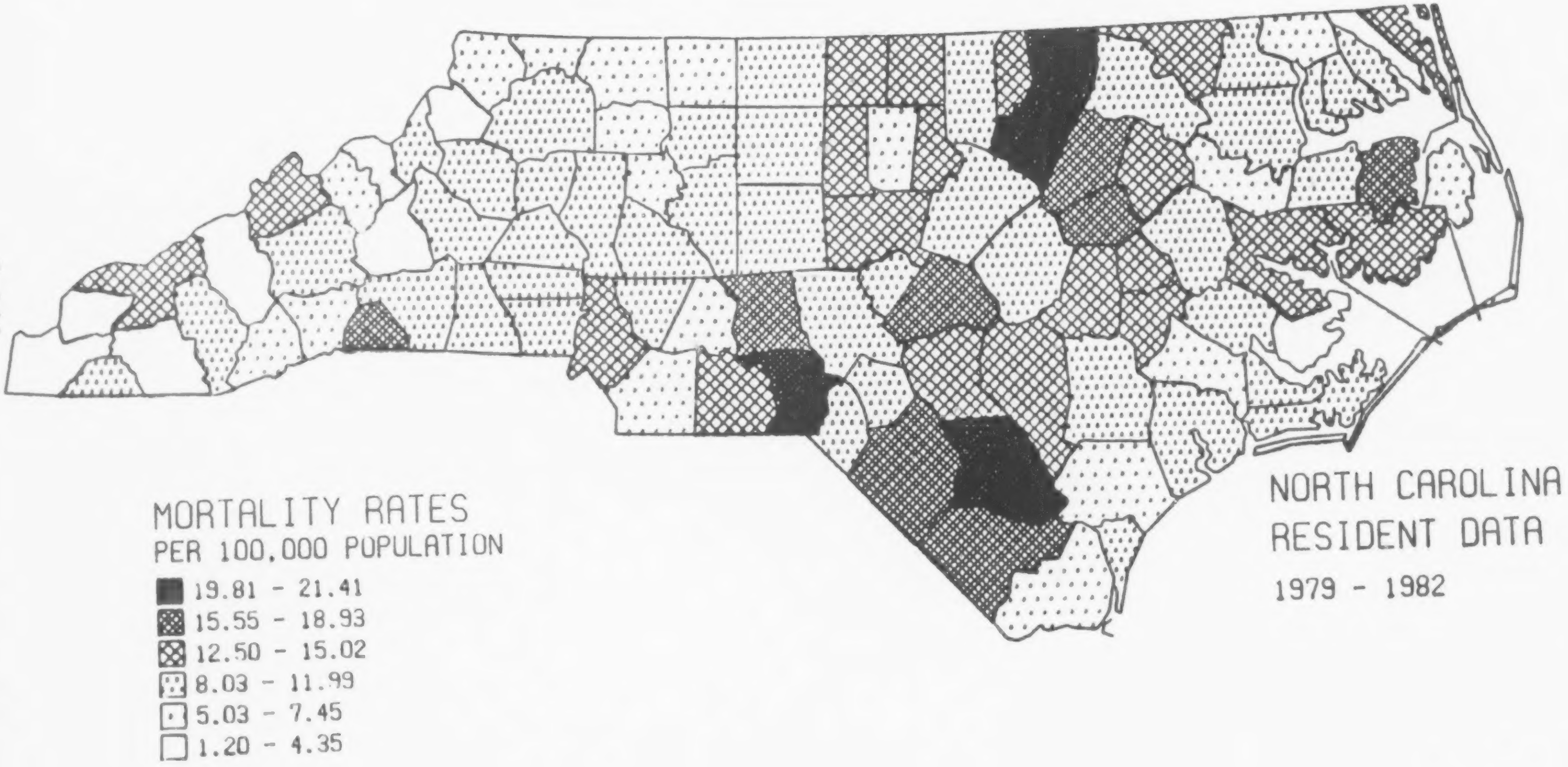
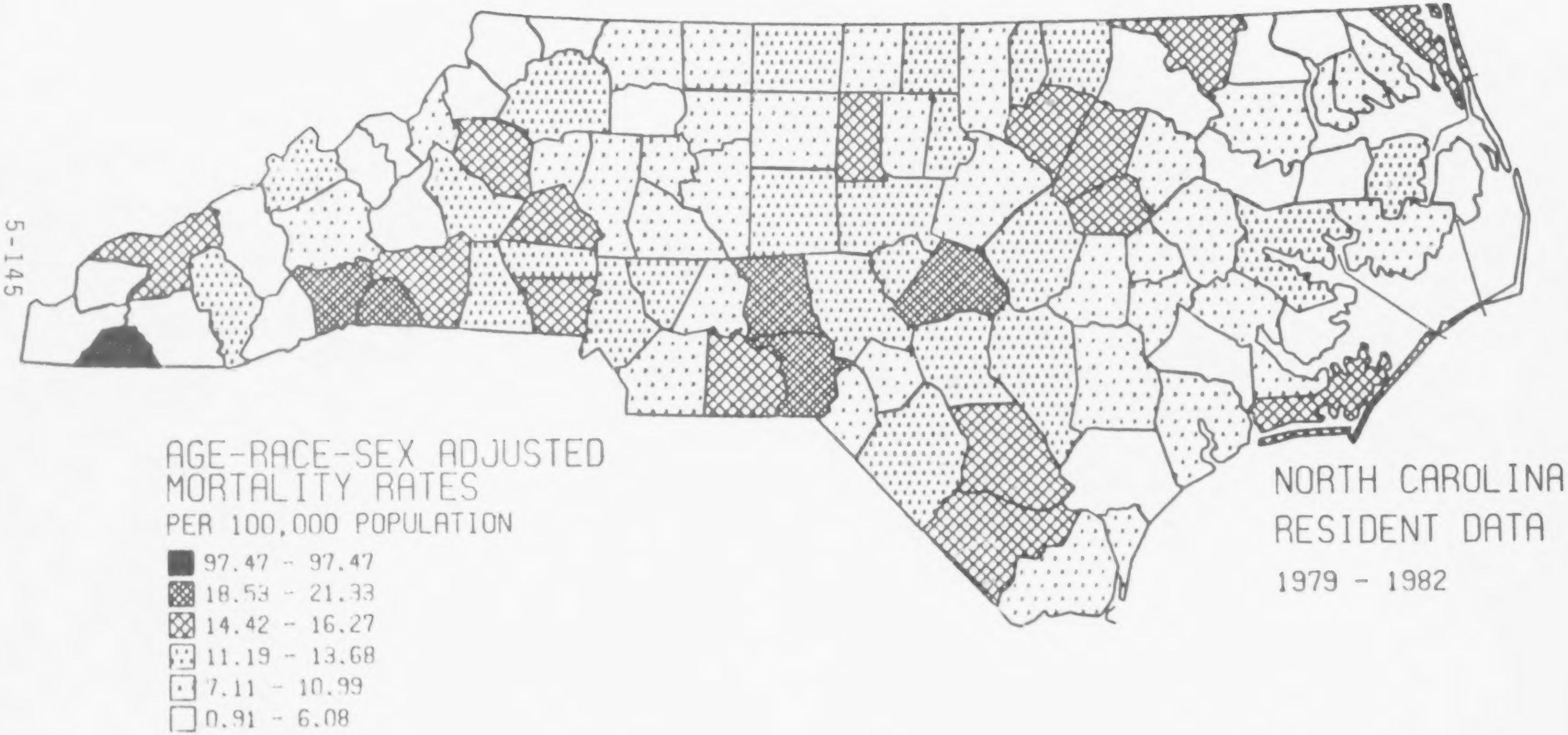

NORTH CAROLINA
RESIDENT DATA
1979 - 1982
MORTALITY RATES
PER 100,000 POPULATION
19.81 - 21.41
15.55 - 18.93
12.50 - 15.02
8.03 - 11.99
5.03 - 7.45
1.20 - 4.35

FIGURE 27.A

HOMICIDE



AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 97.47 - 97.47
▩ 18.53 - 21.33
▨ 14.42 - 16.27
▦ 11.19 - 13.68
⊡ 7.11 - 10.99
☐ 0.91 - 6.08

NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 27.B

TABLE 28

MORTALITY STATISTICS FOR 1982

NORTH CAROLINA RESIDENTS

INFANT DEATHS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE* 1979-82
NORTH CAROLINA	1176	13.68	4768	14.10	0.00
REGIONS					
DHR I WESTERN	335	12.26	1442	13.37	0.00
DHR II N. CENTRAL	220	13.62	811	12.66	0.00
DHR III S. CENTRAL	321	14.84	1296	15.32	0.00
DHR IV EASTERN	300	14.39	1219	14.94	0.00
HSA I WESTERN	155	12.15	665	12.97	0.00
HSA II PIEDMONT	186	13.09	676	12.03	0.00
HSA III S. PIEDMONT	180	12.36	777	13.74	0.00
HSA IV CAPITAL	174	15.34	674	15.28	0.00
HSA V CARDINAL	216	14.12	914	15.08	0.00
HSA VI EASTERN	265	14.91	1062	15.32	0.00
COUNTIES					
1 ALAMANCE	24	20.18	78	17.13	0.00
2 ALEXANDER	3	8.95	19	13.99	0.00
3 ALLEGHANY	3	29.41	8	17.58	0.00
4 ANSON	5	13.29	22	14.55	0.00
5 ASHE	2	7.54	21	18.30	0.00
6 AVERY	2	9.66	10	12.59	0.00
7 BEAUFORT	3	5.05	29	11.92	0.00
8 BERTIE	3	8.52	25	19.21	0.00
9 BLADEN	9	22.22	26	15.46	0.00
10 BRUNSWICK	4	7.11	23	11.07	0.00
11 BUNCOMBE	30	14.91	99	12.38	0.00
12 BURKE	12	13.55	47	13.20	0.00
13 CABARRUS	13	10.59	54	11.87	0.00
14 CALDWELL	4	4.54	48	13.72	0.00
15 CAMDEN	0	0.00	2	6.62	0.00
16 CARTERET	9	12.06	33	12.97	0.00
17 CASWELL	2	7.93	11	10.93	0.00
18 CATAWBA	23	16.33	72	12.78	0.00
19 CHATHAM	5	9.86	23	12.03	0.00
20 CHEROKEE	2	9.09	9	9.75	0.00
21 CHOWAN	1	5.71	12	16.39	0.00
22 CLAY	0	0.00	4	12.38	0.00
23 CLEVELAND	14	12.57	83	15.18	0.00
24 COLUMBUS	15	18.15	59	17.61	0.00
25 CRAVEN	26	16.93	78	13.02	0.00
26 CUMBERLAND	72	13.51	306	14.70	0.00
27 CURRITUCK	6	35.50	11	17.40	0.00
28 DARE	1	4.80	5	6.34	0.00
29 DAVIDSON	13	9.29	51	8.92	0.00
30 DAVIE	1	3.69	10	8.71	0.00
31 DUPLIN	17	28.66	38	15.84	0.00
32 DURHAM	38	18.05	126	15.14	0.00
33 EDGECOMBE	14	16.01	52	14.78	0.00
34 FORSYTH	50	15.67	148	11.91	0.00
35 FRANKLIN	5	12.53	16	10.50	0.00
36 GASTON	24	10.01	124	13.44	0.00
37 GATES	0	0.00	8	16.80	0.00
38 GRAHAM	0	0.00	2	4.96	0.00
39 GRANVILLE	6	14.85	25	15.01	0.00
40 GREENE	5	19.23	19	20.25	0.00
41 GUILFORD	49	11.63	198	11.97	0.00

* SEE SECTION I

MORTALITY STATISTICS FOR 1982, NORTH CAROLINA RESIDENTS
INFANT DEATHS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1982	DEATH RATE* 1982	NUMBER OF DEATHS 1979-82	DEATH RATE* 1979-82	ADJUSTED DEATH RATE+ 1979-82
42 HALIFAX	13	14.84	81	22.34	0.00
43 HARNETT	14	14.46	51	13.47	0.00
44 HAYWOOD	8	17.20	30	15.51	0.00
45 HENDERSON	7	9.32	33	11.17	0.00
46 HERTFORD	3	7.95	26	17.68	0.00
47 HOKE	7	19.23	22	15.74	0.00
48 HYDE	0	0.00	7	20.34	0.00
49 IREDELL	10	9.15	58	13.25	0.00
50 JACKSON	2	6.84	13	10.90	0.00
51 JOHNSTON	12	12.08	56	14.84	0.00
52 JONES	4	30.53	11	21.27	0.00
53 LEE	8	12.88	40	16.63	0.00
54 LENOIR	19	23.11	60	17.30	0.00
55 LINCOLN	9	15.92	35	15.55	0.00
56 MCDOWELL	5	10.28	16	6.73	0.00
57 MACON	3	13.27	11	12.04	0.00
58 MADISON	0	0.00	6	8.09	0.00
59 MARTIN	5	13.88	31	20.86	0.00
60 MECKLENBURG	99	15.69	370	15.23	0.00
61 MITCHELL	2	10.05	8	10.98	0.00
62 MONTGOMERY	8	24.76	24	18.98	0.00
63 MOORE	4	5.45	34	11.98	0.00
64 NASH	24	22.51	78	18.83	0.00
65 NEW HANOVER	13	9.38	62	11.17	0.00
66 NORTHAMPTON	2	6.30	20	15.45	0.00
67 ONSLOW	48	15.69	152	13.43	0.00
68 ORANGE	10	11.03	59	16.50	0.00
69 PAMLICO	1	8.77	7	14.00	0.00
70 PASQUOTANK	4	8.65	29	16.28	0.00
71 PENDER	3	10.00	13	10.01	0.00
72 PERQUIMANS	0	0.00	5	9.36	0.00
73 PERSON	3	8.45	24	16.32	0.00
74 PITT	19	14.10	76	14.40	0.00
75 POLK	2	13.79	8	14.46	0.00
76 RANDOLPH	8	7.07	40	8.81	0.00
77 RICHMOND	11	17.54	47	17.72	0.00
78 ROBESON	30	15.83	129	17.46	0.00
79 ROCKINGHAM	12	10.99	62	14.19	0.00
80 ROWAN	9	6.96	49	9.41	0.00
81 RUTHERFORD	15	21.15	47	16.27	0.00
82 SAMPSON	12	17.21	48	16.71	0.00
83 SCOTLAND	9	18.00	48	22.80	0.00
84 STANLY	7	11.32	34	13.77	0.00
85 STOKES	11	26.89	26	16.34	0.00
86 SURRY	13	17.95	40	13.49	0.00
87 SWAIN	6	33.14	10	14.51	0.00
88 TRANSYLVANIA	0	0.00	7	6.35	0.00
89 TYRRELL	0	0.00	4	15.56	0.00
90 UNION	9	8.47	53	12.66	0.00
91 VANCE	12	20.97	49	21.91	0.00
92 WAKE	67	15.67	235	14.45	0.00
93 WARREN	8	38.64	21	21.64	0.00
94 WASHINGTON	2	8.36	11	11.95	0.00
95 WATAUGA	1	2.84	7	5.12	0.00
96 WAYNE	23	13.88	91	13.73	0.00
97 WILKES	8	11.78	40	13.40	0.00
98 WILSON	13	13.51	61	15.85	0.00
99 YADKIN	3	8.84	12	9.18	0.00
100 YANCEY	1	5.26	7	9.69	0.00

* SEE SECTION I

INFANT MORTALITY

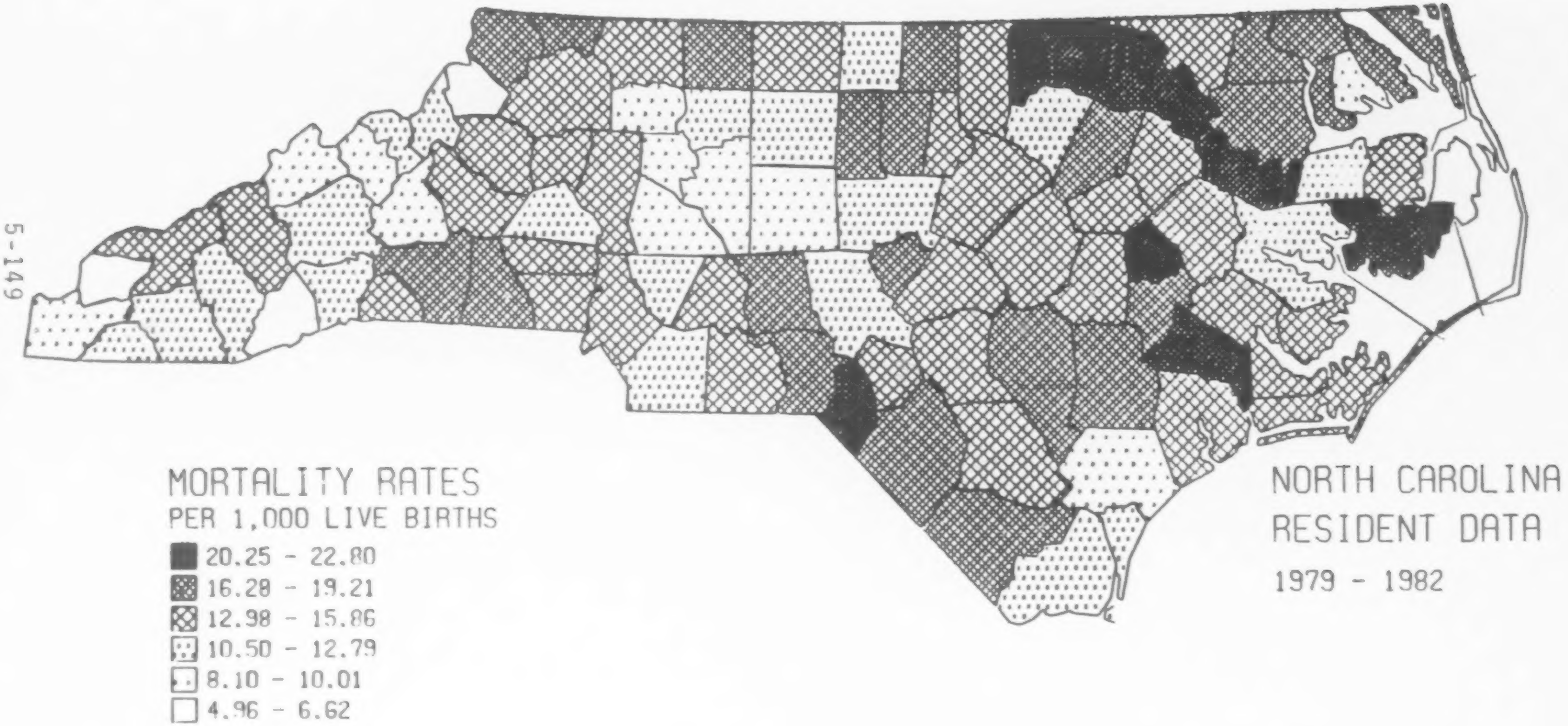

MORTALITY RATES
PER 1,000 LIVE BIRTHS
■ 20.25 - 22.80
▩ 16.28 - 19.21
▨ 12.98 - 15.86
⁘ 10.50 - 12.79
⁚ 8.10 - 10.01
☐ 4.96 - 6.62
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 28

VI. TABLES AND FIGURES: MULTIPLE CONDITIONS PRESENT AT DEATH 1979-1982

TABLE 29

DEATHS BY SELECTED UNDERLYI AUSE WITH FREQUENCY OF MENTIONED CONDITIONS, NORTH CAROLINA RESIDENTS, 1982

Underlying Cause of Death	Total Under-lying*	Conditions Mentioned on Death Certificate (Numbers refer to row titles)											
		1	2	3	4	5	6	7	8	9	10	11	12
1 Diseases of heart	17848	17846	8028	8036	2381	1849	9109	643	12	86	17	120	55
2 Acute myocardial infarction	7995	7995	7995	3277	940	452	3558	190	1	21	4	47	17
3 Other forms of ischemic heart disease	4688	4688	0	4688	496	521	3521	205	5	35	7	30	16
4 Hypertension with or without renal disease	247	101	0	0	244	19	66	10	0	3	0	1	1
5 Cerebrovascular disease	4594	1252	75	352	694	4594	1940	133	3	16	1	24	22
6 Atherosclerosis	521	290	0	0	0	0	521	29	1	3	1	5	1
7 Cancer	10187	2311	70	372	208	271	538	10187	294	1151	546	2713	829
8 Stomach	287	54	2	8	6	6	15	287	287	0	1	0	0
9 Colon, rectum, rectosigmoid junction & anus	1120	235	6	37	27	23	59	1120	0	1120	0	1	3
10 Pancreas	542	131	7	25	13	14	35	542	0	0	542	1	1
11 Trachea, bronchus and lung	2689	572	17	119	37	63	155	2689	4	8	1	2689	5
12 Female breast	809	156	1	14	24	17	19	809	0	2	0	1	809
13 Cervix uteri	154	33	0	1	4	3	2	154	0	0	0	1	0
14 Ovary & other uterine adnexa	241	46	0	5	8	6	7	241	0	5	0	0	1
15 Prostate	618	157	4	32	14	26	56	618	0	2	0	1	0
16 Leukemia	430	126	3	13	6	37	20	430	0	1	0	2	4
17 Diabetes Mellitus	787	528	156	189	140	152	298	14	0	0	0	1	4
18 Pneumonia & Influenza	1190	459	29	125	31	190	215	85	1	5	1	15	8
19 Chronic obstructive pulmonary disease & allied conditions	1358	693	45	150	53	65	205	91	2	7	5	33	4
20 Chronic liver disease and cirrhosis	610	132	3	19	14	4	27	17	0	3	1	4	1
21 Nephritis, nephrotic syndrome & nephrosis	514	279	19	53	12	33	80	27	0	5	0	6	4
22 Motor vehicle accidents	1360	49	2	6	1	9	7	2	0	1	0	0	0
23 All other accidents & adverse effects	1371	285	23	49	27	27	88	15	0	2	0	4	1
24 Suicide	800	33	0	8	2	5	7	16	0	0	0	6	1
25 Homicide	631	27	1	6	0	3	7	2	0	0	0	0	0
TOTAL DEATHS**	48542	26462	8619	9695	4044	7643	13744	11520	315	1309	581	2977	947

TABLE 29 - continued

DEATHS BY SELECTED UNDERLYING CAUSE WITH FREQUENCY OF MENTIONED CONDITIONS, NORTH CAROLINA RESIDENTS, 1982

Underlying Cause of Death	Conditions Mentioned on Death Certificate (Numbers refer to row titles)													
	13	14	15	16	17	18	19	20	21	22	23	24	25	Alcohol
1 Diseases of heart	7	3	135	38	1676	670	1116	107	579	9	380	0	2	196
2 Acute myocardial infarction	2	2	36	15	797	127	393	23	147	4	70	0	0	77
3 Other forms of ischemic heart disease	1	1	48	12	478	239	384	47	189	2	127	0	2	55
4 Hypertension with or without renal disease	0	0	3	0	30	10	7	0	14	0	4	0	0	1
5 Cerebrovascular disease	2	3	28	4	408	405	132	14	109	1	148	0	0	24
6 Atherosclerosis	2	0	7	3	39	47	23	3	56	0	22	0	0	3
7 Cancer	159	241	652	446	293	561	456	38	351	1	218	0	1	34
8 Stomach	1	0	3	0	7	9	3	0	5	0	3	0	0	1
9 Colon, rectum, rectosigmoid junction & anus	0	0	7	3	25	29	23	3	45	0	32	0	0	2
10 Pancreas	0	0	2	0	37	19	9	2	15	0	10	0	0	2
11 Trachea, bronchus and lung	2	0	10	6	46	191	294	4	26	0	58	0	0	9
12 Female breast	0	0	0	0	32	27	12	0	12	0	14	0	0	1
13 Cervix uteri	154	0	0	0	8	7	1	0	28	0	3	0	0	1
14 Ovary & other uterine adnexa	0	241	0	0	7	4	3	0	3	0	4	0	0	0
15 Prostate	0	0	618	1	19	50	16	1	57	0	9	0	1	0
16 Leukemia	0	0	0	430	14	38	11	0	23	0	6	0	0	0
17 Diabetes Mellitus	1	0	2	1	787	35	17	9	109	0	30	0	0	7
18 Pneumonia & influenza	2	1	13	6	61	1190	79	20	72	0	19	0	0	34
19 Chronic obstructive pulmonary diseases & allied conditions	0	0	13	4	35	230	1358	13	39	0	43	0	0	30
20 Chronic liver disease and cirrhosis	0	0	1	0	32	34	14	604	47	0	21	0	0	278
21 Nephritis, nephrotic syndrome & nephrosis	0	1	1	3	36	34	18	7	514	0	17	0	0	3
22 Motor vehicle accidents	0	0	1	0	2	3	1	2	8	1360	6	0	0	112
23 All other accidents & adverse effects	0	0	4	1	28	27	28	23	25	0	1371	0	0	229
24 Suicide	0	0	4	1	4	4	9	6	1	0	1	800	0	55
25 Homicide	0	0	0	0	0	1	1	2	1	1	3	0	631	45
TOTAL DEATHS**	180	257	892	527	3679	3662	3490	939	2446	1379	2813	801	635	1435

*Numbers shown here are the final underlying frequencies. They are sometimes larger than numbers shown on the diagonal due to the fact that a sequence of conditions may imply an underlying cause that is not specifically mentioned on the death certificate.

**Differences between these totals and the summation over causes are attributable to causes not given in the table.

Note: In this table, a death is counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate.

TABLE 30

NUMBER OF DEATHS WITH SELECTED PAIRS OF CONDITIONS MENTIONED TOGETHER, NORTH CAROLINA RESIDENTS, 1982

Conditions Mentioned on Death Certificate	Conditions Mentioned on Death Certificate (Numbers refer to row titles) 1	2	3	4	5	6	7	8	9	10	11	12
1 Diseases of heart	26462	8619	9695	3145	3563	11780	3221	70	361	158	741	238
2 Acute myocardial infarction	8619	8619	3398	1004	572	3736	274	3	30	11	64	21
3 Other forms of ischemic heart disease	9695	3398	9695	991	1182	7187	705	14	91	34	177	45
4 Hypertension with or without renal disease	3145	1004	991	4044	1227	1404	304	7	41	16	47	32
5 Cerebrovascular disease	3563	572	1182	1227	7643	3564	473	9	47	16	96	44
6 Atherosclerosis	11780	3736	7187	1404	3564	13744	1038	22	132	46	241	73
7 Cancer	3221	274	705	304	473	1038	11520	315	1309	581	2977	947
8 Stomach	70	3	14	7	9	22	315	315	1	3	5	0
9 Colon, rectum, rectosigmoid junction & anus	361	30	91	41	47	132	1309	1	1309	1	9	9
10 Pancreas	158	11	34	16	16	46	581	3	1	581	3	1
11 Trachea, bronchus and lung	741	64	177	47	96	241	2977	5	9	3	2977	9
12 Female breast	238	21	45	32	44	73	947	0	9	1	9	947
13 Cervix uteri	49	3	3	4	6	12	180	1	1	0	3	1
14 Ovary & other uterine adnexa	54	2	7	9	10	10	257	0	5	0	0	1
15 Prostate	343	42	112	41	83	172	892	3	12	2	14	0
16 Leukemia	184	19	33	13	44	48	527	0	4	0	9	5
17 Diabetes Mellitus	2713	995	1215	805	822	1717	366	8	35	38	54	45
18 Pneumonia & influenza	1702	200	539	173	856	1008	738	10	43	23	233	39
19 Chronic obstructive pulmonary disease & allied conditions	2226	469	877	244	301	1109	632	7	34	15	359	24
20 Chronic liver disease and cirrhosis	312	28	88	38	27	116	66	0	9	3	8	4
21 Nephritis, nephrotic syndrome & nephrosis	1419	205	407	72	283	656	426	5	61	15	39	19
22 Motor vehicle accidents	58	6	9	1	11	13	3	0	1	0	0	0
23 All other accidents & adverse effects	1004	109	276	109	259	460	280	3	41	10	71	21
24 Suicide	33	0	8	2	5	7	16	0	0	0	6	1
25 Homicide	30	1	8	0	3	9	3	0	0	0	0	0
26 Alcohol related conditions	410	85	113	64	45	125	59	1	3	4	15	2
TOTAL DEATHS*	26462	8619	9695	4044	7643	13744	11520	315	1309	581	2977	947

TABLE 30 - continued

NUMBER OF DEATHS WITH SELECTED PAIRS OF CONDITIONS MENTIONED TOGETHER, NORTH CAROLINA RESIDENTS, 1982

Conditions Mentioned on Death Certificate	Conditions Mentioned on Death Certificate (Numbers refer to row titles)													
	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1 Diseases of heart	49	54	343	184	2713	1702	2226	312	1419	58	1004	33	30	410
2 Acute myocardial infarction	5	2	42	19	995	200	469	28	205	6	109	0	1	85
3 Other forms of ischemic heart disease	3	7	112	33	1215	539	877	88	407	9	276	8	8	113
4 Hypertension with or without renal disease	4	9	41	13	805	173	244	38	72	1	109	2	0	64
5 Cerebrovascular disease	6	10	83	44	822	856	301	27	283	11	259	5	3	45
6 Atherosclerosis	12	10	172	48	1717	1008	1109	116	656	13	460	7	9	125
7 Cancer	180	257	892	527	366	738	632	66	426	3	280	16	3	59
8 Stomach	1	0	3	0	8	10	7	0	5	0	3	0	0	1
9 Colon, rectum, rectosigmoid junction & anus	1	5	12	4	35	43	34	9	61	1	41	0	0	3
10 Pancreas	0	0	2	0	38	23	15	3	15	0	10	0	0	4
11 Trachea, bronchus and lung	3	0	14	9	54	233	359	8	39	0	71	6	0	15
12 Female breast	1	1	0	5	45	39	24	4	19	0	21	1	0	2
13 Cervix uteri	180	0	0	0	10	10	1	1	31	0	5	0	0	2
14 Ovary & other uterine adnexa	0	257	0	0	7	5	4	0	4	0	5	0	0	0
15 Prostate	0	0	892	2	38	80	48	2	70	1	20	4	1	0
16 Leukemia	0	0	2	527	21	51	19	1	28	0	13	1	0	2
17 Diabetes Mellitus	10	7	38	21	3679	236	159	72	277	2	135	4	0	41
18 Pneumonia & influenza	10	5	80	51	236	3662	446	74	247	3	134	4	1	96
19 Chronic obstructive pulmonary disease & allied conditions	1	4	48	19	159	446	3490	53	144	1	128	9	1	77
20 Chronic liver disease and cirrhosis	1	0	2	1	72	74	53	939	76	2	47	6	2	392
21 Nephritis, nephrotic syndrome & nephrosis	31	4	70	28	277	247	144	76	2446	8	107	1	1	45
22 Motor vehicle accidents	0	0	1	0	2	3	1	2	8	1379	6	0	1	112
23 All other accidents & adverse effects	5	5	20	13	135	134	128	47	107	6	2813	2	4	282
24 Suicide	0	0	4	1	4	4	9	6	1	0	2	801	0	55
25 Homicide	0	0	1	0	0	1	1	2	1	1	4	0	635	45
26 Alcohol related conditions	2	0	0	2	41	96	77	392	45	112	282	55	45	1435
TOTAL DEATHS*	180	257	892	527	3679	3662	3490	939	2446	1379	2813	801	635	1435

*Differences between these totals and the summation over causes are attributable to causes not given in the table and to multiple counting of a condition if it appears in combination with more than one other condition on a certificate.

Note: In this table, a death is counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate.

CONDITIONS MENTIONED - HYPERTENSION

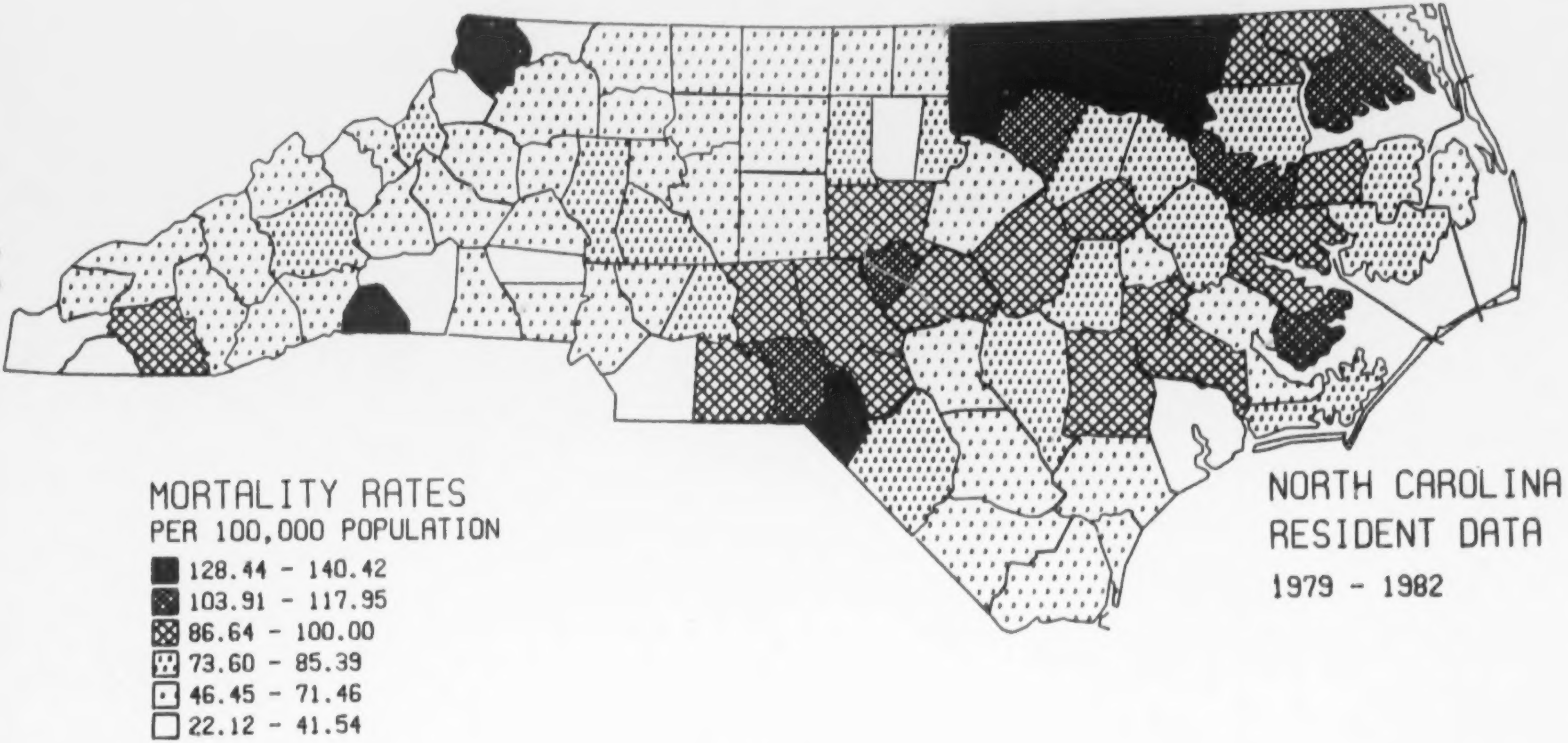

MORTALITY RATES
PER 100,000 POPULATION
■ 128.44 - 140.42
▩ 103.91 - 117.95
▨ 86.64 - 100.00
⁝ 73.60 - 85.39
· 46.45 - 71.46
□ 22.12 - 41.54
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 29.A

CONDITIONS MENTIONED - HYPERTENSION

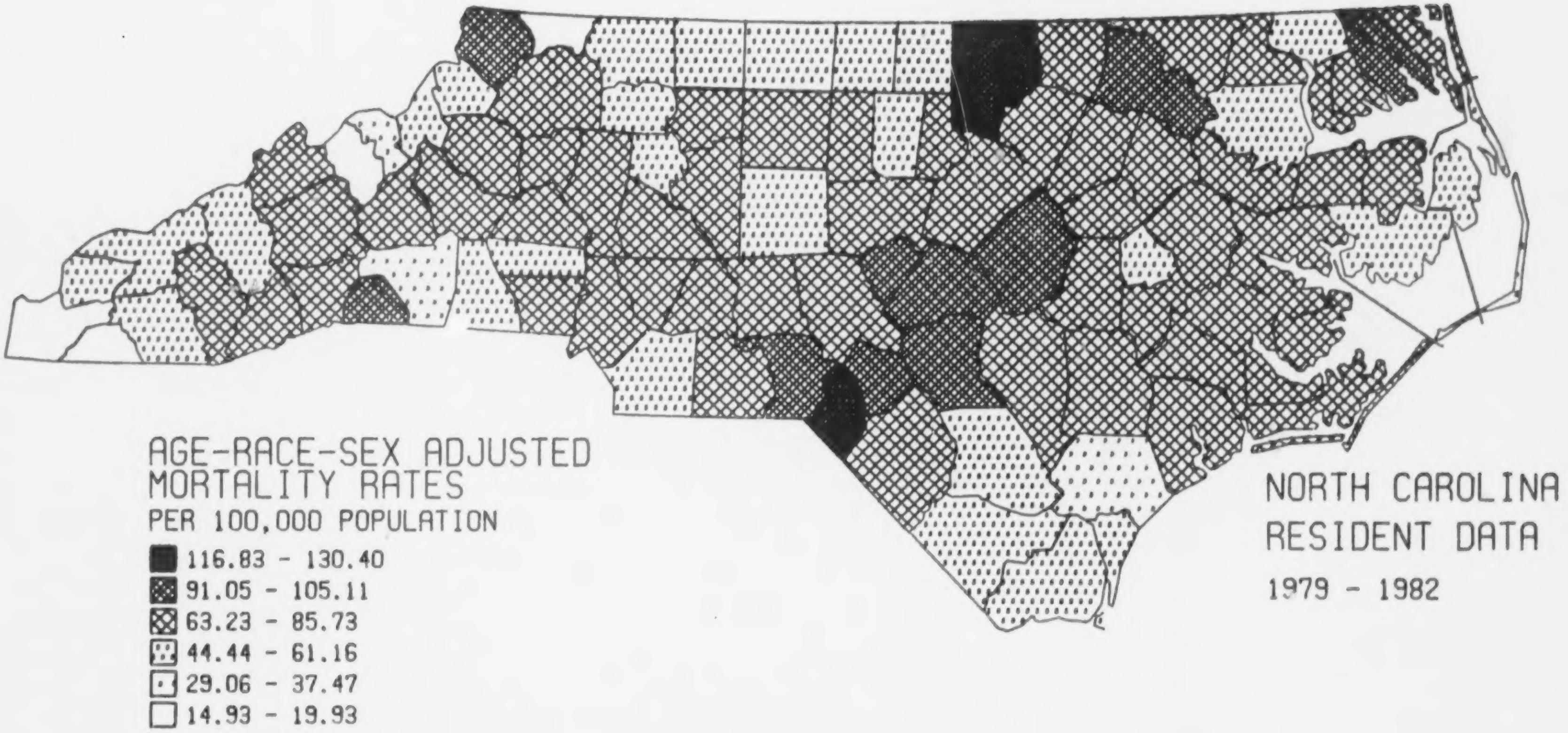

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 116.83 - 130.40
▩ 91.05 - 105.11
▨ 63.23 - 85.73
▦ 44.44 - 61.16
⊡ 29.06 - 37.47
☐ 14.93 - 19.93
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 29.B

CONDITIONS MENTIONED - ATHEROSCLEROSIS

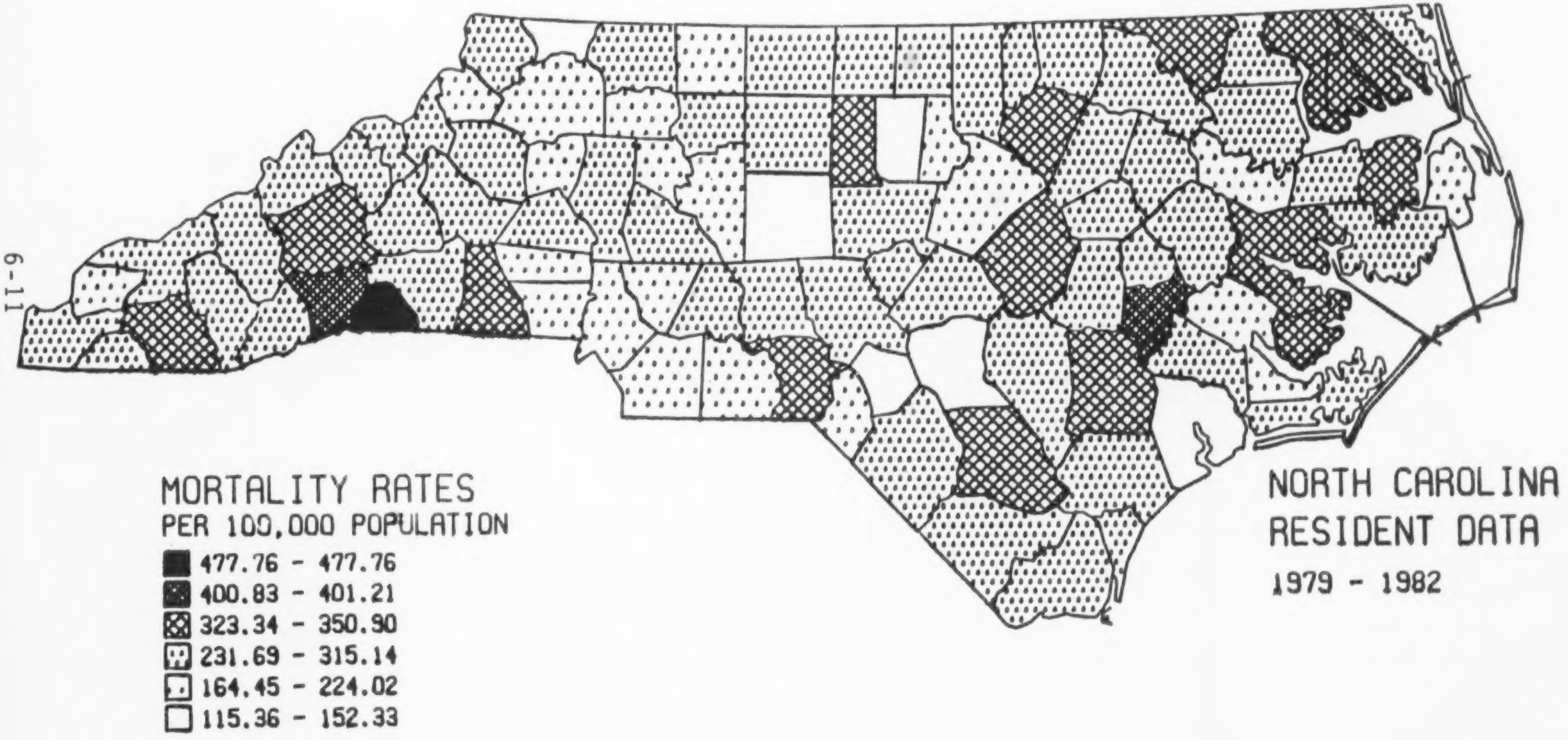

MORTALITY RATES
PER 100,000 POPULATION
■ 477.76 - 477.76
▦ 400.83 - 401.21
▨ 323.34 - 350.90
⁙ 231.69 - 315.14
⁚ 164.45 - 224.02
☐ 115.36 - 152.33
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 30.A

CONDITIONS MENTIONED - ATHEROSCLEROSIS

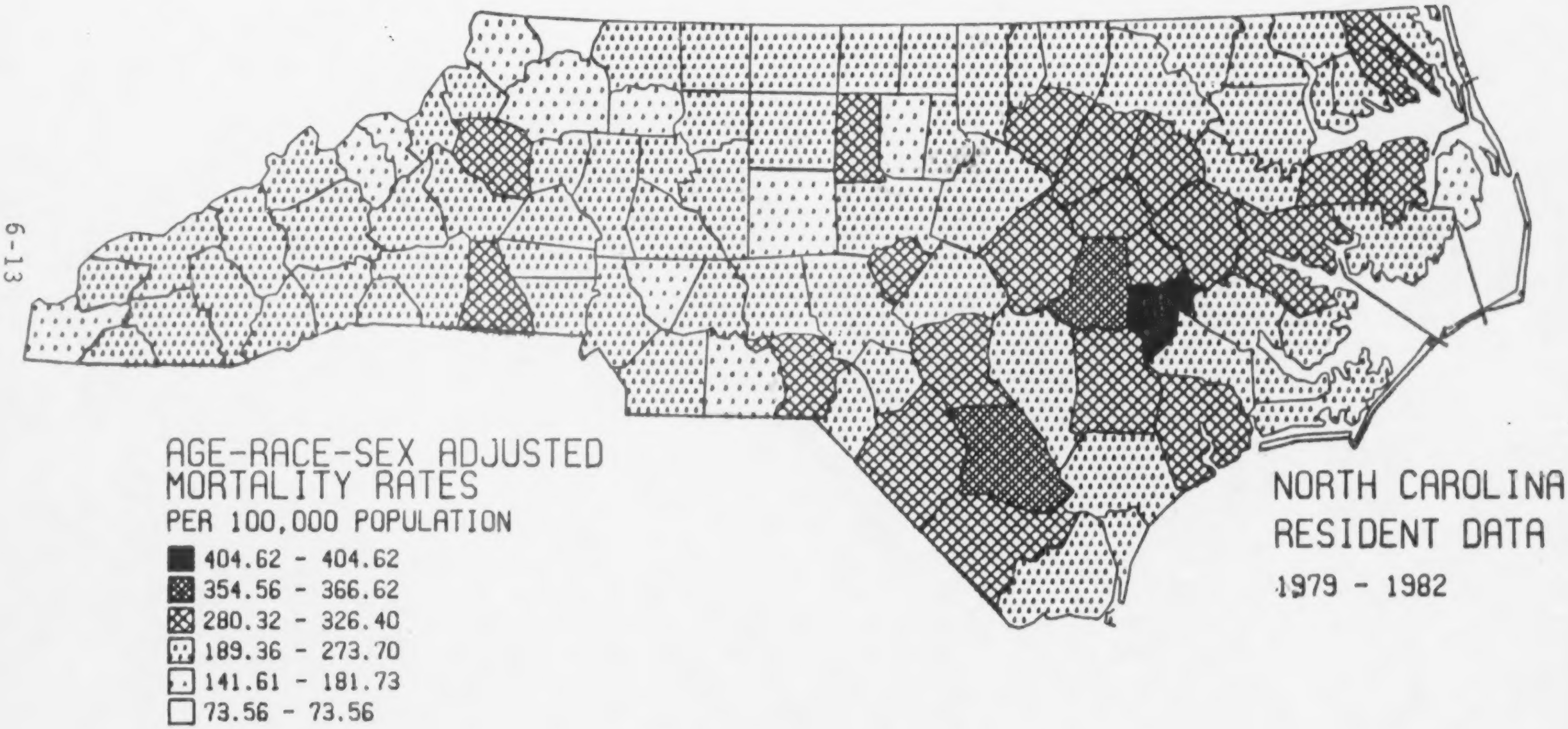

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 404.62 - 404.62
▩ 354.56 - 366.62
▨ 280.32 - 326.40
▦ 189.36 - 273.70
⊡ 141.61 - 181.73
☐ 73.56 - 73.56
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 30.B

CONDITIONS MENTIONED - DIABETES

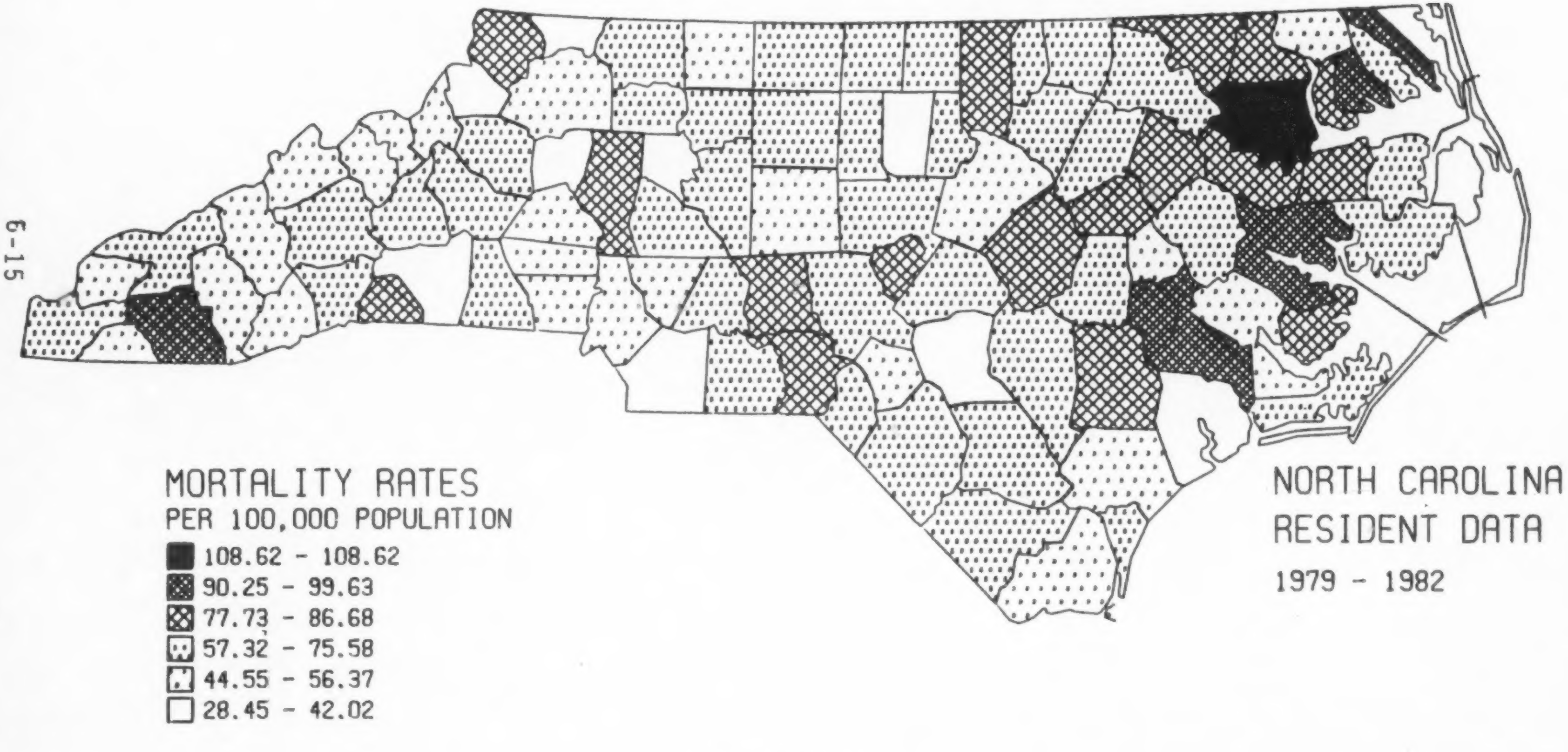

MORTALITY RATES
PER 100,000 POPULATION
■ 108.62 - 108.62
▩ 90.25 - 99.63
▨ 77.73 - 86.68
▦ 57.32 - 75.58
▤ 44.55 - 56.37
☐ 28.45 - 42.02
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 31.A

CONDITIONS MENTIONED - DIABETES

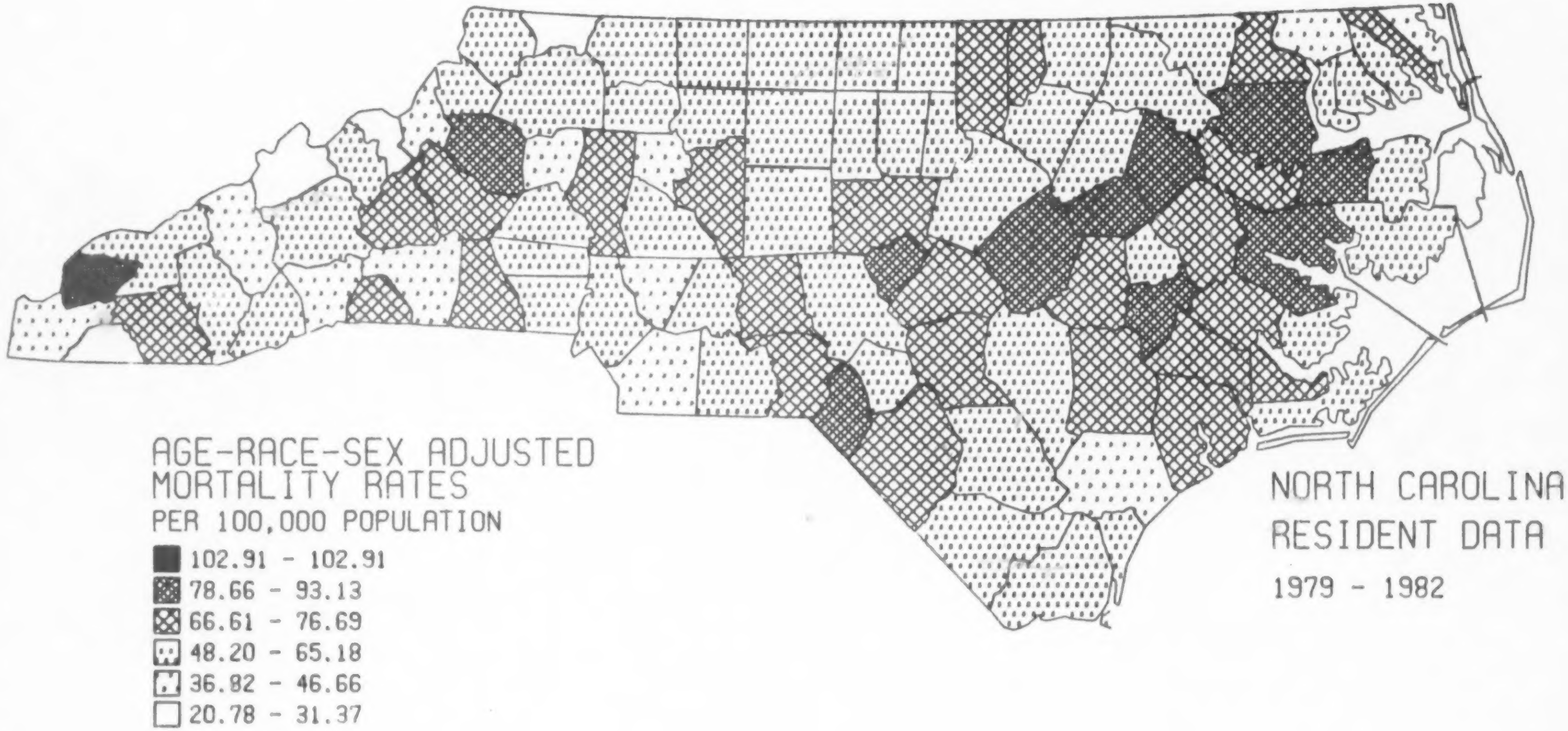

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 102.91 - 102.91
▩ 78.66 - 93.13
▨ 66.61 - 76.69
▦ 48.20 - 65.18
▤ 36.82 - 46.66
□ 20.78 - 31.37
NORTH CAROLINA
RESIDENT DATA
1979 - 1982

FIGURE 31.B

REFERENCES

1. SAS Institute Inc. SAS User's Guide: Statistics, 1982 Edition, Cluster Procedure. Cary, N.C., 1982.

2. Kleinman, J.C. "Infant Mortality," Statistical Notes for Health Planners. Number 2, National Center for Health Statistics, Rockville, Maryland, July 1976.